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DEPARTMENT OF AGRICULTURE
DIVISION OF
MAR 1 1898

Germain & Co.

CATALOGUE OF SEEDS,

AGRICULTURAL & HORTICULTURAL SUPPLIES,

And GUIDE FOR THE Garden, Field & Farm

1896

1897

SEED STORE

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Los Angeles, Cal.

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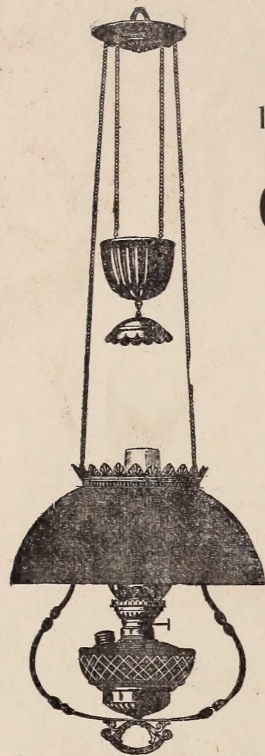
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..... To Our Customers



AND THE



..... General Public

Our Catalogue for 1896-1897 has been carefully revised, and will be found to contain many new varieties of great merit; it also contains much valuable information, including a table and calendar of operations specially adapted to the climate of Southern California, which is a valuable feature. This catalogue will be found the most useful and reliable guide for amateurs published on this coast.

Testing.—Our Seeds, on arrival, are immediately, thoroughly and carefully tested, *by count*, and only those stocks that grow a very strong percentage are kept in stock and sent out. Those of inferior growth are at once returned and charged back to the growers.

Sources of Supply.—Our sources of supply are world-wide. Whenever California grown seeds are obtainable, and will prove equal in quality to Eastern and European seeds, we prefer them, on account of their superior germinating power.

In the case of Cabbages, Cauliflowers, and some other seeds, we find that those saved in colder climates are *surer to head*, and so we contract with the most reliable Eastern and European growers for them.

This Catalogue will be found to contain only those varieties of approved worth *in this climate*. We have carefully weeded out those kinds that, from our own experience, do not succeed well in this section.

Prices.—Our prices are on the whole more favorable to the customer this season than at any time in the past, and we believe will compare favorably with other reliable houses. Our seeds are of strictly first quality, and may be thoroughly relied upon.

Notwithstanding the universal business depression of the past year, our business showed a fair advance on the previous one, which we attribute to the fact that we sell reliable seeds at reasonable prices. Poor and inferior seeds of doubtful quality, are worse than worthless to the buyer, as he loses not only the time and labor expended, but the season, also. Poor, cheap seeds are the dearest in the end.

The prices annexed to Vegetable Seeds by the pound, to Beans, Peas, Corn, Grass and Clover Seeds, Bird Seeds, Agricultural Seeds of all kinds, and Onion Sets, being regulated by the Eastern markets, *will be liable to fluctuation*, and we cannot bind ourselves to fill orders at the prices herein given for the entire season.

Our Flower Seed list has been thoroughly revised, and instructions especially suited for this section of the country have been appended by a skilled botanist. Descriptions are also added, as fully as space will allow in a Seed Catalogue

In Our List of Eucalypti will be found several varieties which as yet are little known in California. We have endeavored to classify the *Eucalypti* according to their uses, and hope it will simplify the work of selection of varieties to our customers.

Our Tree, Shrub and Palm Seeds are specially collected for us in different parts of the world, and as they ripen at various seasons, orders for them will be filled as far as possible, and any varieties not on hand will be booked and immediately forwarded on arrival of New Seeds.

Our Trade in Alfalfa, Clover, Grass, and all other agricultural seeds is the largest in this section, and everything is supplied clean and true to name.

Our List of Horticultural Tools and Requisites will commend itself. Therein will be found everything that will economize time and labor in garden, field and orchard operations, also all the most effective Insecticides and Fertilizers.

Non-Warranty of Seeds.—We exercise the utmost care and vigilance in testing all seeds sold by us, but owing to uncontrollable influences and accidents, (such as bad weather, improper soil, insects, etc.) the best seeds will sometimes fail. We have, therefore, in common with all other large seed firms in the United States—members of the American Seed Trade Association—adopted the following disclaimer: "While we exercise the greatest care to have all seeds pure and reliable, we do not give any warranty, express or implied. If the purchaser does not accept the seeds on these terms and conditions they must be returned at once, and the money that has been paid for the same will be refunded." Our customers may, however, rest assured that we shall sell none but the best seeds, both as to germinating power and purity of stock.

This is the most comprehensive Catalogue published on the Pacific Coast.

Instructions to Correspondents.

How to order. With this catalogue is enclosed an "Order Sheet" which explains itself, and which we request all our customers to use. Should our customers require more order sheets we will, at all times, mail them free on application. Please remember to write your *Name, Post Office, County and State* as distinctly as possible, especially the name; also the *nearest Express Office*, or, if on stage route send us the special directions, giving us the name of the Express Company delivering goods, when ordered to be shipped in this way. When these conditions are complied with, we will guarantee the safe arrival, in good condition, of all goods shipped by us.

How to Remit. We decline sending perishable goods, as bulbs and plants, C. O. D., unless a remittance of 50 per cent. accompanies the order, to insure us against loss. Orders from unknown correspondents must be accompanied by cash, or satisfactory reference. Cash may be remitted by Post Office Order, Registered Letter, or, in case of large sums, by Express. Small sums of less than one dollar may be forwarded in postage stamps.

Mode of Forwarding. We will forward, free by Mail, to any part of the United States, at the retail price annexed, all Vegetable, Tree and Flower Seeds, with the exception of Beans, Corn and Peas, and where otherwise noted, for either of which ten cents per pound must be added, when ordered by mail. We, however, reserve the right to send parcels of seeds by Express, *prepaid*, when it is to our advantage. All Bird, Grass, Clover and other Agricultural Seeds, when ordered by Mail, will be subject to a charge of ten cents per pound for Postage. When Postage is not added these goods will be sent by Express or Freight at purchaser's expense.

Order Early. We would advise our customers to order early, as in the press of the busy season it is sometimes impossible to fill orders the same day as received.

We issue a *Wholesale Price List to Dealers and Storekeepers*, which will be mailed on application, if *business card is enclosed*.

This catalogue will be mailed free to all our customers. *Non-customers* will please, on application, enclose 10 cents to cover postage which may be deducted from first order amounting to *one dollar* sent us.

We also publish a separate *Catalogue of Dutch and other Bulbs*, and a list of *Plants*, which will be mailed free on application.

Soliciting your esteemed orders, which shall have careful and prompt attention, we are, yours faithfully,

GERMAIN FRUIT COMPANY,

Seed Merchants.

Los Angeles, Cal., November 1st, 1896.

A Few Simple Rules for Successful Seed Sowing and Vegetable Raising.

First. Choose the location for your garden on a sheltered, sunny slope, if possible, and with thorough drainage.

Second. Do not attempt too much. Two acres well cultivated will produce more than five under slovenly cultivation.

Third. Fertilize liberally before plowing or harrowing.

Fourth. Cultivate deeply, viz.: from 15 to 20 inches.

Fifth. Sow in drills, in preference to broadcast.

Sixth. Plow deeply and repeatedly and work the soil to as fine a tilth as possible before planting.

Seventh. Keep weeds down. The old adage, "One year's seeding makes seven year's weeding" is correct.

Eighth. Cultivate frequently. Good tillage always pays, and prevents the soil from baking.

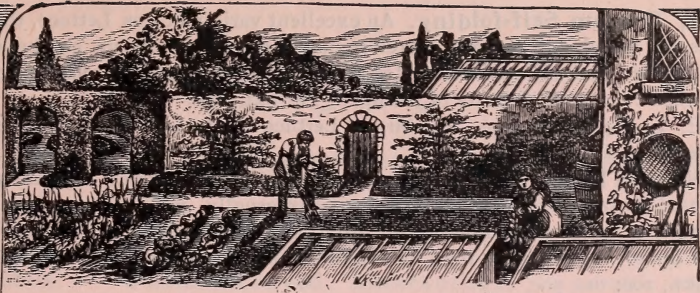
Ninth. Attend strictly to *Rotation of Crops*. Do not let two tap-rooted crops, (as Carrots and Parsnips) follow each other, nor two exhaustive *Head Crops*, (as Cabbages and Cauliflowers). Let the soil have time to recuperate its exhausted fertility. Follow Carrots, for instance, with a surface, shallow feeding crop, as Peas, or Vine crops, as Melons and Squashes.

Tenth. Water in drills, and copiously; slight sprinklings overhead do more harm than good.

Eleventh. Watch closely for insects. Hammond's "Slug Shot" is very valuable to dust over young plants, as it is only destructive to insects, and is innocuous to larger forms of animal life. It does not harm poultry, and acts on the plant as a fertilizer.

Twelfth. Buy your seeds only from a reliable seed house, whom you are sure test before sending them out, and supply only varieties true to name.

All seeds thoroughly and carefully tested by count.



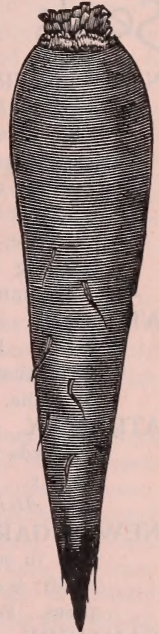
1896
1897

List of Novelties AND VARIETIES OF SPECIAL MERIT.

These are all expected to be on hand by December 1st, but should we not possess any variety ordered, we will book it, and forward the same immediately on arrival.

Vegetable Seeds.

- BEET, Germain's Long Blood.** (See cut) A splendid variety of fine flavor, and being of long symmetrical shape is more easily sliced than the round varieties, and therefore one of the very best for family use. Per pkt., 5c; per lb., 60c.
- BEET, Crosby's Egyptian Turnip-rooted,** A new, dark red, Turnip-shaped variety of excellent quality, a valuable novelty. Per pkt. 10c.
- CABBAGE, Early Newark Improved Flat Dutch.** A new Drumhead variety of great merit, produces large, solid heads of fine quality, one of the best sorts for shipping purposes. Per pkt., 10c.
- CABBAGE, Superfine Early York.** An improvement on Early York, an extra fine variety of compact growth, very early and of excellent quality. Per pkt. 10c.
- CARROT, Early Nantes Stump-Rooted.** The earliest of all the Half-long Carrots and the very best variety for forcing. Almost cylindrical in shape, with very smooth skin, the flesh of the root is entirely red, sweet and mild, and almost if not wholly devoid of the yellow core seen in most red carrots. A splendid table variety and one of the best yet introduced. Per pkt. 10c.
- CELERY, Carter's Incomparable Crimson.** A dwarf variety of great merit, of rich color, very crisp and delicious flavor. Per pkt. 10c.
- CELERY, Sandringham Dwarf White.** A superior variety, solid, crisp and of excellent flavor. Per pkt. 10c.
- CHICORY, Witloof.** Has very broad leaves, with large ribs or stalks which is its chief merit. When blanched this forms the vegetable which the Belgians call Witloof. In appearance it much resembles a blanched head of Cos Lettuce. Per pkt. 10c.
- CORN SWEET, Country Gentleman.** A new variety of great merit, very productive often yielding 3 or 4 ears on a stalk. The ears are very handsome, from 8 to 9 inches in length and very attractive for the table. The kernels are pearly white, deep, and on a very small cob, and unsurpassed for quality and delicious flavor. Per lb., 15c.
- CUCUMBER, White Apple-Shaped.** A variety just introduced from Australia. Fruit round, and of better flavor than any other variety. It is claimed by the Australians that this is the most wholesome of all cucumbers, persons who dare not eat any other variety being able to eat this one with safety. Per pkt., 15c.
- ENDIVE, Broad-leaved Winter.** Remarkable for having much larger and broader leaves than any other variety, being almost as broad as long, and cut at the edges with numerous teeth. Quite distinct, an extra fine variety. Per pkt., 10c.



Germain's Long Blood Beet

Carefully study our Novelty List.

- LETTUCE, Trianon Self-folding.** An excellent variety of Cos Lettuce, the leaves fold in of themselves and bleach quickly, and therefore do not require tying up as the other varieties. Large, crisp, tender, and of fine flavor. Resists warm weather and is probably the best Cos Lettuce yet introduced. A great favorite in Europe. Per pkt., 10c.
- LETTUCE, Lee's Immense.** The largest Lettuce of late introduction, of excellent quality, crisp and tender. Per pkt., 10c.
- PUMPKIN, Iron Bark.** A new variety from Australia, and a great favorite with the colonists there. It is used for table exclusively. Color gray externally, with yellow flesh; an excellent keeper, very prolific. The pumpkins weigh from 7 to 10 pounds each, and have a very hard shell. The plants do not require more than half the room usually given to the Mammoth Pumpkin. Per pkt., 10c; oz., 50c.
- RADISH, Long White Spanish.** Similar to the Black Spanish except in color, crisp and solid. A valuable winter variety. Per pkt. 10c.
- TOMATO, New Stone.** A splendid variety for shipping, of bright scarlet color, large, smooth and firm, of excellent quality and one of the best for general use. Per pkt., 10c.
- TOMATO, Royal Red.** An excellent variety for main crop, is of a beautiful deep red color, and one of the best for canning purposes, or general use. Large, round, and very handsome. Per pkt., 10c.
- TURNIP, Jersey Lily.** The earliest white garden turnip grown, perfectly round in shape, has a very small top, and single tap-root, and is of delicate flavor. A very valuable novelty. Per pkt. 10c.

Seeds of New and Valuable Field Plants.

- NEW AUSTRALIAN SALT BUSH. "OLD MAN."** This is a distinct species, and quite different from the *Atriplex semibaccatum* already known in California. It succeeds on alkali land as well as, and withstands drought better than the latter kind, while on account of its upright growth (growing sometimes 15 feet high) it is easily cut. In its immense productiveness it is far ahead of the common kind, while its leaves are much larger. We are informed by our correspondent in Australia that the cattle men in that country prefer the "Old Man" to any other kind for cattle, while the *A. semibaccatum* is used for sheep and the smaller animals, on account of its being more easily reached by them. Plant in hills 6 feet apart each way, several seeds to a hill, thinning out to the two strongest plants. Per pkt., 20c; per oz., 60c; per lb, \$6.00.
- ATRIPLEX LEPTOCARPA.** This is another species of Salt Bush now finding its way into California. It is said to withstand much drought, and succeeds well on alkali land. Has larger leaves than *A. semibaccatum*, is very productive and valuable for stock feed. Native of Eastern Australia. Per pkt., 15c; per oz., 50c.
- ATRIPLEX HALIMOIDES.** A species of Salt Bush highly recommended by the Australians. Succeeds well on alkali soil and resists drought. Sheep and hogs are said to be very fond of this variety. Per pkt., 15c; per oz., 50c.
For *Atriplex semibaccatum* (Australian Salt Bush) see General List of Fodder Plants.
- NEW SUGAR BEET. "Carter's Sugar Cane."** This variety has been selected for its richness in saccharine matter; is of medium size, and has a clean habit of growth, rendering it easy to lift; is equally valuable, whether used for production of sugar or grown for stock feeding purposes. Per lb, 20c; per 100 lbs, \$12.50. If ordered by mail, add 10c per lb. for postage.
- CANAIGRE. (*Rumex hymenosephalus*.)** A plant which is now receiving much attention, and the cultivation of which is becoming a large industry both in Arizona and California, on account of the tannin contained in the roots. It belongs to the Dock family and is a native of California and Mexico, grows from one to three feet high and produces tubers in great abundance, is easily cultivated, and said to be a very profitable crop. Price on application.

Sacaline.

(*Polygonum Sachalinense*.)

This hardy perennial has been some time in cultivation as an ornamental plant. It is a native of the Saghalien Islands, and is said to resist the utmost extremes of heat and cold, and may be grown on the poorest soil. It grows to the height of ten or twelve feet, and may be cut three times a year. The stems and leaves, which are very nutritious, are greedily eaten by cattle and sheep. The seed should be started in boxes, and the young plants afterwards transplanted three feet apart each way.

Per pkt., 15c; per oz., 50c; per lb, \$5. Roots in season, each, 15c; per 100, \$12.50.

Try the "Old Man" Salt Bush for Alkali Land.

Flower Seeds.

NOVELTIES AND VARIETIES OF SPECIAL MERIT, 1896, 1897.

Some of these varieties have been offered by us in previous lists, but being very valuable and little known, we again offer them as possessing special merits.

Amaranthus Superbus. — **Coleus Leaved Amaranthus.** A valuable acquisition in the line of new decorative plants. It grows to the height of from 3 to 5 feet, and is clothed with a profusion of large, cordate, crumpled leaves; dark crimson in color, with a broad light green margin. Per pkt., 25c.

Carnation. — **Early Double Snow White.** Said to be as hardy and vigorous as the old "Grenadin," but more bushy and compact. It is an early and abundant bloomer, and the flowers produced are perfectly double and deliciously fragrant. This new variety promises to become very popular. Per pkt., 50c.

California Poppy. Rose Cardinal. A charming new variety of California Poppy bearing large rose colored flowers. Per pkt., 15c.

Dahlia, Cactus. Though this class of Dahlias are known here they are deserving of more extensive cultivation. They produce flowers of remarkable beauty, with the petals gracefully curved and quilled, and loosely arranged, and are less formal than the old double varieties. They are now very popular in England and Europe, where they have received much attention and development, which has resulted in the production of a marvelous variety, both in form and color. The strain we are offering is obtained from one of the most prominent European growers and we believe it to be unsurpassed for beauty and variety of color. Per pkt., 25c.

Delphinium Cardinale. (*Scarlet Larkspur.*) A beautiful native perennial species growing from 5 to 8 feet high and bearing large spikes of bright scarlet flowers. Per pkt., 15c.

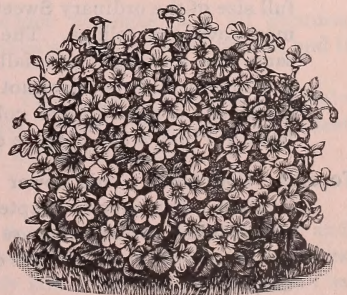
Gunnera Scabra. This is not new, but is almost as little known as if it were. It is a magnificent plant for single specimens on large lawns or in parks. The leaves are large and handsome, measuring from 4 to 5 feet in diameter, and are borne on stout, prickly leaf-stalks from 3 to 6 feet long. The flowers are produced in dense club-shaped spikes. A splendid plant, and one that is easily cultivated, where sunshine and water are plentiful. Per pkt., 25c.

Ipomæa Hookeri. It is not too much to pronounce this one of the most magnificent of all the "Morning Glories" or "Moon-Flowers." For those who wish to cover a porch or trellis quickly it is unsurpassed on account of its rapid growth and large heart-shaped leaves. It does not usually flower till the fall, but then it makes up for its tardiness by an unusual profusion of large purplish blue flowers, three or four on a stem. A really superb climber, Per pkt., 15c.

Imperial Japanese Morning Glories. These magnificent Morning Glories produce immense flowers from 4 to 6 inches across, and are of greater substance than the common kind and remain open longer; they are of every imaginable shade, from soft pink to bright crimson, maroon and bronze, light blue to indigo, and purplish black, pure white or silvery gray, some are beautifully spotted and striped, shaded and daintily tinted, while others have white, pink or red throats. The vines are of robust growth, attaining a height of from 30 to 50 feet. The foliage is handsome and luxuriant and of various shades, light and dark green, yellow, or silvery gray, some are beautifully spotted and blotched with white or gray. The great variety of colors both in flowers and foliage when the vines are intermingled together presents a strikingly beautiful appearance.

Per pkt., 25c.

Nasturtium Lilliput. (*Tropæolum Lobbianum compactum.*) (See cut.) An entirely new class of Dwarf Nasturtiums, in every respect smaller than the Tom Thumbs. The dainty little flowers appear well above the small cut foliage, and are of the most varied and showy colors, there appearing some quite new shades, which have not been seen in the old class; the seeds are also smaller than in the Tom Thumbs which is evidence that we have an entirely new departure in the Nasturtium family. The dwarfness of the plants and the great variety of color render them especially valuable for border or bedding purposes. When known these little gems will become universal favorites. Per pkt., 25c.



Nasturtium Lilliput.



NEW PERENNIAL, HYBRID POPPIES.



TORENIA FOURNIERI.

Poppy, Perennial hybrid mixed, A new and remarkable strain of hardy perennial poppies. The flowers are very large, and embrace a great variety of delicate and beautiful colors, ranging from flesh color to deep purple. A strain of *perennial* poppies of such varied colors is a very valuable addition to this already popular class of plants (See cut). Per pkt., 25c.

Iceland Poppies, (*Papaver Nudicaule*). Charming perennial Poppies growing about 15 inches high, and blooming the first year from seed. The elegant crushed-satin-like floweres are produced in great abundance from June to October, are deliciously fragrant and unsurpassed for cutting and will last a week if cut as soon as open. In three colors, yellow, pure white and bright orange. Separate, per pkt., 10c or the three for 25c. The three colors mixed, per pkt., 10c.

Statie Suworowi. A very handsome, free-blooming annual variety, with large spikes of bright rose colored flowers. Native of Turkestan. Per pkt., 15c.

Sweet Pea, "CUPID" (White Tom Thumb). A dwarf variety of Sweet Pea only growing 5 inches high, which makes it invaluable for bedding or pot culture. The flowers are pure white, of the full size of the ordinary Sweet Peas, deliciously fragrant, and produced in such profusion as to almost cover the foliage. The flower stems bear two or three blossoms each, which open at the same time making it especially useful for cutting purposes. It shows no tendency whatever, either to climb or trail, but does not however have the appearance of being stunted. The foliage is very pretty and of a dark green color and when covered with the snow-white flowers, nothing more beautiful than a bed of these can be imagined. Per pkt., 25c.

Torenia Fournieri. This flower though not new, is perhaps one of the prettiest of its class in cultivation. It is equally adapted to out door or pot culture, is of branching habit and is about 8 inches high. The flowers are almost too pretty for description, are somewhat maurandya shaped and in color different shades of violet with lilac and yellow. The plant is of easy culture. (See cut). Per pkt. 25c.

Send in your order and hand this catalogue to your friends.

Flower and Vegetable Garden.

A Concise Calendar of Operations Throughout the Year, Especially Adapted for Southern California.

JANUARY.

Flower Garden. Continue to plant Lilies. All kinds of evergreen and deciduous shrubs can now be planted. The planting of Hyacinths, Tulips, Narcissus, etc., should be completed this month. Hardy Annuals may be sown out of doors, and, where artificial heat is obtainable, Half Hardy Annuals may also be sown. A hot bed of stable manure is easily prepared by piling it 4 or 5 feet in height, well watered and trampled down, over which place a large box or frame, with glass sash, taking care to well air and sweeten the bed before using.

Vegetable Garden. For main crop sow Broccoli, Carrot, Chicory, Parsnip and Seakale. At the end of the month in warm, sheltered situations, Early Rose Potatoes may be planted. Plant Asparagus, Horseradish and Rhubarb roots. These all require deeply worked ground. Dress beds already planted with about 4 inches of well rotted manure. Cucumbers, Egg Plants, Melons, Peppers, Squashes and Tomatoes may be sown under glass for after planting. A safe plan is to sow about 5 seed of each variety on reversed pieces of sod, about 4 inches square. On planting in the ground, insert the sod with the growing plants and firm the soil in the usual way. By this method the growing plants will suffer no injury. Stick and hill up Peas and other crops requiring it, and attend strictly to cleanliness.

FEBRUARY.

Flower Garden. General planting of Evergreens and Shrubs should be completed as soon as possible. Also finish planting Lilies, Anemones and Ranunculus. Commence planting Gladioli bulbs for succession. Sow Hardy Annuals out of doors, especially Sweet Peas, and Half Hardy Annuals as recommended for last month. This is the best month in which to sow Acacia seeds. Soak for twenty-four hours before sowing, or where practicable, spread dry leaves or bushes over the beds after sowing and watering and set fire to them. This is the best method of sowing all Hard Tree Seeds.

Vegetable Garden. This and the next month will be the busiest of the year in this department, as nearly all crops may be sown in these two months. See Reference Table for varieties to be sown. Continue planting Asparagus and other roots as recommended for last month. Plant main crop of Potatoes. Attend to weeding and hilling up. Thin out Turnips, Carrots and other root crops requiring it.

MARCH.

Flower Garden. Continue planting Gladioli Bulbs for succession. All Hardy and Half Hardy annuals may be sown in the open ground this month. Alternanthera and other border plants can be planted with safety, as all danger from even slight frost is now over.

Vegetable Garden. Nearly all Vegetable Seeds may be freely sown this month. See Reference Table. Plant out Cucumber, Melon and other plants previously sown under glass. Hill up rows, keep down insects, slugs and vermin, and attend strictly to cleanliness.

APRIL.

Flower Garden. Plant Dahlias, Gladioli, Tuberoses, Tigridias, Tuberous Begonias, and all Summer flowering bulbs. Continue sowing Hardy and Half Hardy Annuals. Watch Rose bushes, and if troubled with green Aphis, use Tobacco Dust freely.

Vegetable Garden. (See Reference Table for varieties to be sown). Plant out Egg, Pepper, Tomato and Sweet Potato Plants, the latter in light, rich soil, well worked, in rows 6 feet apart, and 2 feet in the rows, and keep the soil well worked. Cultivate well and hill up as required.

MAY.

Flower Garden. As Hayacinths, Tulips, Narcissus, etc., die down, the bulbs should be dug up, and stored away in a cool, dry place till fall when they may be replanted. The vacancies thus created should be filled with other flowering plants. Half Hardy and other Annuals may still be

sown, and summer flowering bulbs be planted. The garden should now be brilliant with flowers, and all sowing, planting, and general cleaning up should be completed this month for the summer season.

Vegetable Garden. Pinch out points of shoots of Cucumbers, Melons, Squash, etc., as soon as they commence flowering. Sow vegetable Seeds for succession. (See Reference Table) and keep surface of soil well broken.

JUNE.

Flower Garden. Trim edgings of borders and hedges, and carefully attend to watering. Dahlias and Gladioli may still be planted. Sow Eucalypti and Cypress seeds for winter planting.

Vegetable Garden. (See Reference Table for varieties that may be sown for succession). Hill up all growing crops and stick Pole Beans and Tall Peas as required.

JULY.

Flower Garden. Continue to dig up and store bulbs as they ripen. Trim edgings and hedge rows and sow Perennial Flower Seeds in shady situations. Continue sowing Eucalypti and Cypress Seeds.

Vegetable Garden. Cultivate well between the rows. Sow vegetable seeds for succession, as per Reference Table. If manure is used during this hot month, it should be in liquid form.

AUGUST.

Flower Garden. This is the best month in the year in which to sow Hardy Perennials. Most varieties if sown this month will flower the next year. (See remarks on Culture in body of list). Also sow Calceolaria, Cineraria, Pansy and Primula Seeds. (See special remarks on Culture of Tender Annuals). Continue sowing Eucalypti and Cypress Seeds.

Vegetable Garden. Plant second crop of Potatoes. Sow Cabbage, Cauliflower and Spinach for main crops, and others mentioned in Reference Table for succession.

SEPTEMBER.

Flower Garden. Commence planting Hyacinths, Tulips, Anemones and other Dutch bulbs towards end of month. Prick off Calceolarias, Cinerarias and Primulas sown last month, into small pots, and continue sowing same for succession. Pansies can be grown better transplanted into a well-manured bed than in pots, as they are not so liable to be attacked by the Red Spider. Pansy seed can be sown for succession till the end of November. Also sow all the Hardy Annuals and Perennials.

Vegetable Garden. Many varieties of Vegetable Seeds may be sown this month. (See Reference Table). Plant out Cabbage and Cauliflower plants sown in July.

OCTOBER.

Flower Garden. Hyacinths and other Dutch Bulbs should be freely planted this month; also Lilies of all kinds. Cineraria and Primula seed may still be sown for late flowering. Continue sowing Hardy Annuals.

Vegetable Garden. Sow largely Peas, Onion and Spinach for main crop, also other seeds for succession (see Reference Table), especially Winter Radishes.

NOVEMBER.

Flower Garden. Continue planting Hyacinths and other Dutch Bulbs, and Lilies; also plant roses and evergreens and deciduous shrubs of all kinds. Form new lawns and renovate old ones (for which we recommend our special Lawn fertilizer at the rate of 600 lbs per acre). Carry out Landscape alterations, if required, dig and manure borders and energetically proceed with all heavy work.

Vegetable Garden. Sow Seeds are recommended in Reference Table for this month and hill up young crops. Keep the ground thoroughly clean, and dig or plow manure in all unoccupied ground for future use. Keep down slugs by free use of Hammond's Slug Shot, salt, lime or any other dressing which is beneficial to the growing crops.

DECEMBER.

Flower Garden. Operations same as last month.

Vegetable Garden. Operations same as last month.

Sow in moist weather if possible.

REFERENCE TABLE

Showing at a Glance the best Time to sow the different Kinds of

Vegetable Seeds.

This is arranged for the climate of Los Angeles. In colder districts spring sowings should be made one month later than indicated in column.

EXPLANATIONS—The letters S. or P. opposite the variety and under the month in the column, indicate that the Seeds, Roots or Plants may be sown or planted in that month.

VARIETY.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Artichoke, Globe.....			S	S								
Asparagus—Seed.....		S	S	S								
Asparagus—Roots.....	P	P	P								P	P
Beet, Table varieties.....	S	S	S	S			S	S	S			
Beans, Broad or English.....	S	S	S							S	S	S
Beans, Dwarf or Bush.....		S	S	S	S	S	S					
Beans, Pole.....			S	S	S							
Broccoli.....	S	S				S	S	S	S	S	S	S
Brussels Sprouts.....	S	S				S	S	S	S	S	S	S
Cabbage, Early—Seeds.....	S						S	S	S	S	S	S
Cabbage, Early—Plants.....		P	P	P					P	P	P	P
Cabbage, Late—Seeds.....			S	S	S	S						
Cabbage, Late—Plants.....					P	P	P					
Carrot.....	S	S	S	S	S			S	S	S	S	S
Cauliflower—Seeds.....	S	S	S	S			S	S	S	S	S	S
Cauliflower—Plants.....		P	P	P	P				P	P	P	
Chervil.....		S	S	S	S				S	S		
Chives.....	P	P	P	P					P	P	P	P
Collards.....		S	S	S								
Chicory.....		S	S	S								
Corn, Sweet.....			S	S	S	S						
Corn Salad.....	S	S	S	S				S	S	S		
Cress.....	S	S	S	S	S	S	S	S	S	S	S	S
Cucumber.....			S	S	S	S						
Dandelion.....		S	S	S				S	S			
Egg Plant—Seeds.....			S	S	S	S						
Egg Plant—Plants.....				P	P	P	P					
Endive.....	S	S	S	S				S	S	S	S	S
Garlic—Sets.....	P	P	P	P				P	P	P	P	P
Horseradish—Sets.....	P	P	P	P						P	P	P
Kale.....	S	S	S				S	S	S	S	S	S
Kohlrabi.....	S	S	S					S	S	S		
Leek.....	S	S	S	S				S	S	S	S	S
Lettuce.....	S	S	S	S	S	S	S	S	S	S	S	S
Melons, Musk and Water.....			S	S	S	S	S					
Mustard.....	S	S	S	S	S	S	S	S	S	S	S	S
Nasturtiums.....			S	S	S	S	S					
Okra.....			S	S	S	S						
Onion—Seed.....		S	S	S	S			S	S	S	S	S
Onion—Sets.....	P	P	P	P						P	P	P

Shallow sowing is the most successful.

VARIETY.	January	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Parsley.....	S	S	S	S				S	S	S	S	S
Parsnip.....	S	S	S	S				S	S	S	S	S
Peas.....	S	S	S	S	S	S	S	S	S	S	S	S
Pepper—Seeds.....			S	S	S	S						
Pepper—Plants.....				P	P	P	P					
Potato—Sets.....		P	P	P	P	P	P	P				
Potato, Sweet—Plants.....				P	P	P						
Pumpkin.....			S	S	S	S						
Radish.....	S	S	S	S	S	S	S	S	S	S	S	S
Rhubarb—Seed.....		S	S	S	S							
Rhubarb—Roots.....	P	P	P	P							P	P
Salsify.....		S	S	S	S							
Seakale.....		S	S	S	S				S			
Spinach.....	S	S	S	S	S	S	S	S	S	S	S	S
Tobacco.....		S	S	S	S							
Tomato—Seeds.....	S	S	S	S	S							
Tomato—Plants.....			P	P	P	P						
Turnip.....		S	S	S	S	S	S	S	S	S		
Turnip, Swede or Ruta Baga.....		S	S	S	S	S	S					
Herbs.....			S	S	S			S				
AGRICULTURAL SEEDS.												
Beet, Sugar.....		S	S	S	S					S	S	
Beet, Mangel Wurzel, for stock.....		S	S	S	S					S	S	
Clover, Scarlet Italian.....								S	S	S	S	
Clover, Other sorts.....		S	S	S					S	S	S	
Grass, Bermuda.....				S	S	S			S			
Grass, Others.....	S	S	S	S	S			S	S	S	S	S
Millet, German.....		S	S	S	S	S	S					
Sorghum and Sugar Cane.....			S	S	S	S	S					



Carefully prepare the soil before sowing.



Vegetable Seeds---General List.

NOTICE.—In ordering seeds please notice that ounce prices will be charged for quantities less than one-quarter pound, and pound prices for less than ten pound lots. All Vegetable Seeds, except where otherwise priced, can be supplied in packets at 5c each—50c per dozen. We have affixed the names of the Vegetable Seeds in three languages—the first Spanish; second, German; third, French. The English name is of course given in the heading.

ARTICHOKE.

Alcachofa—Artischoke—Artichaut.

Drop the seeds early in the spring, one inch deep, and three or four inches apart, in drills one foot apart. Hoe often and transplant in the following spring to hills four feet apart, setting from one to three plants in a hill. The soil should be deep, light and rich, and the situation open and free from the influence of trees. The parts used are the fleshy substance on the bottom of the scales of the immature flower heads.

Large Green Globe—The largest and best (see cut). Oz., 30c; 1b., \$3.50



Large Green Globe.

ASPARAGUS.

Esparrago—Spargel—Asperge.

Sow in rows a foot apart. Keep carefully hoed and clear from weeds, and the plants will be in condition to set out when one year old. The soil for the permanent beds should be thoroughly manured and trenched to a depth of at least two feet. Plant in rows three feet apart, and one foot between the plants in the rows; spread the roots well out, and let the crown of the plant be covered about six or eight inches when established. Previous to sowing the seeds, soak in tepid water for twenty-four hours.



Conover's Colossal.

Columbian Mammoth White, very large, tender and sweet. Per oz., 15c; per 1b., \$1.25.

Conover's Colossal, unexcelled in quality and productiveness, (see cut). Per oz., 10c; per 1b., 40c.

Palmetto, an excellent variety, very large. Per oz., 15c; per 1b., \$1.00

BEANS—ENGLISH.

Haba—Puff bohne—Fève de Marais.

All beans ordered by mail will be charged 10 cents per pound additional for postage.

Drop early in spring, three inches apart, in drills two or three feet apart. When in full bloom nip an inch or two off of each stem. A strong, heavy soil, with considerable portion of clay, suits them best.

Early Long Pod, good and productive...10c per lb. **Broad Windsor**, largest and best.....10c per lb.

“Asparagus Culture, The Best Methods.” (Wm. Robinson). Mailed free, \$1.25.

BEANS—DWARF OR BUSH.

Frijoles—Bohne—Haricots Nains.

Select light, rich soil and plant 2 inches deep, in drills two feet apart. The plants should be about three inches apart, and the earth around them kept loose and clean. The vines should not be disturbed when they are wet, as it would be liable to cause rust. It is better to defer planting until the weather has become warm and settled, as these varieties are not hardy, and will not endure the least frost or cold.



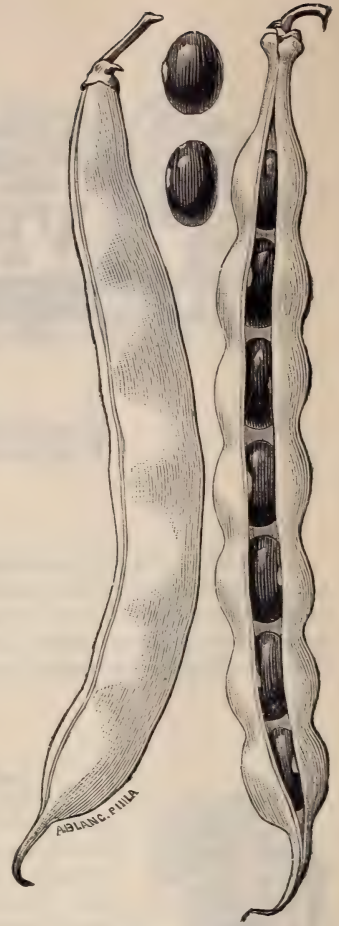
Flageolet Wax.



Dwarf Golden Wax.



Early Red Valentine.

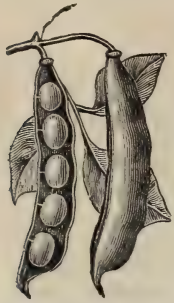


Dwarf Black Wax

Burpee's Bush Lima , a splendid Dwarf Lima of large size.....	Per 100 lbs.	Per lb.
Canadian Wonder . (See cut). This is without exception the most productive dwarf bean yet introduced. The pods, which are produced in the greatest abundance, are very fleshy and exceedingly tender when cooked. Excellent as an exhibition variety.....	10.00	15c
	10.00	15c



Canadian Wonder.



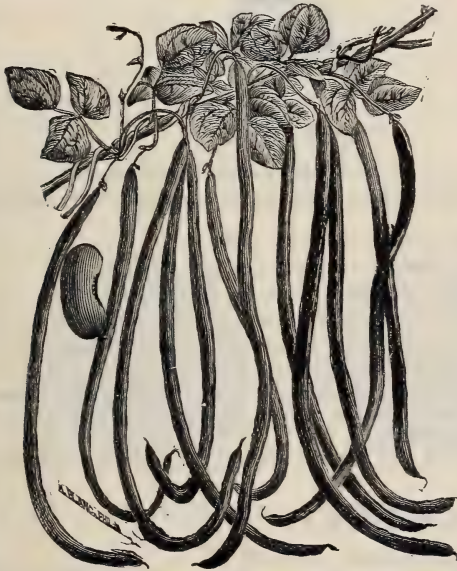
Early Long Yellow Six Weeks.

Long Yellow Six Weeks,

	Per 100 lb.	Per lb.
Dwarf Black Wax , pods transparent and yellow; a superior variety, (see cut).....	\$8.00	15c
Dwarf Golden Wax , (see cut), an early stringless Bean; pod of golden wax color, and of excellent quality.....	8.00	15c
Dwarf White Wax , seeds white; pods very tender and delicious...	8.00	15c
Dwarf Lima , very productive.....	8.00	15c
Early Mohawk , very hardy and productive.....	8.00	15c
Early Valentine , productive, tender, and of excellent flavor, (see cut)	8.00	15c
French Kidney , a good shipping variety; early, and the best for winter crop	7.00	15c
Golden-eyed Flageolet Wax , (see cut). Very handsome, hardy and prolific, with flat, yellow pods; very early and exceptionally free from rust. A most desirable sort.....	9.00	15c
Long Yellow Six Weeks , tender and succulent; a much esteemed variety, (see cut)...	7.00	15c
Refugee, or Thousand-to-one , a very productive sort; best for pickling.....	8.00	15c

BEANS—POLE OR RUNNING.

Frijol de Bejuco—Stangenbohne—Haricots a Rames,



German Wax Pole.

Snake or Asparagus Bean.



Lazy Wife's Pole Bean.

These varieties require a rich soil Plant in well manured hills, three feet apart each way, covering to a depth of two inches. In each hill set a pole eight or ten feet long, around which plant five or six beans, and afterwards thin out, leaving four strong, healthy plants to each hill. They may also be grown without poles, allowing the vines to run, planting in hills four feet apart.

	Per 100 lbs.	Per lb.
Asparagus, or Snake , produces pods 12 to 18 inches long, thin and very tender, (see cut). Per oz., 10c.....		25c
Boston Market Pole Cranberry , favorite sort with market men.....	\$9.00	15c
Cut Short .—Our stock is the pure variety. It is the finest cornfield bean grown; takes to the corn as no other bean will. Very productive; very rich when green or dry.	9.00	15c
Dreer's Improved Lima , yields larger and much earlier than the large Lima.....	7.00	15c
German Black Wax , excellent variety, either for snaps or shelled; fine, tender, rich colored pods; very productive, (see cut).....	9.00	15c
Kentucky Wonder, or Old Homestead , a very vigorous grower, and enormously productive	10.00	15c
Large Lima , unsurpassed in quality as a pole bean; plant when the ground is dry and warm.....	7.00	10c

Our seeds are highly commended.

Lazy Wife's , very productive; a fine snap bean, (see cut).....	Per 100 lbs.	Per lb.
Mammoth, or Chilian Tree , a new erect variety, growing to the height of 8 feet, and a constant bearer. Pods 1 foot or more in length, beans very thick and large, pure white, with red eye. A very useful shell bean.....	10.00	15c
Scarlet Runner , height 6 feet; cultivated for the beauty of its flowers and also for a useful vegetable. A leading table pole bean in European markets.....	15.00	20c

BEETS.

Remolacha—Rothe Ruben—Betterave.

Select a deep, rich, sandy loam, and manure with well decomposed compost. Sow in drills 14 to 16 inches apart, and cover one inch deep. When the young plants appear, thin to 4 or 5 inches apart. One ounce of seed will sow about 50 feet of row.



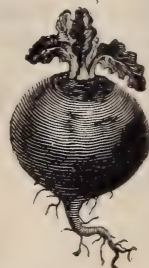
Eclipse Blood Turnip



Long Smooth Blood.



Egyptian Turnip Beet.



Dewing's Early Beet.

Bastian's Early Blood Turnip , one of the earliest; color very dark red.....	Per oz.	Per lb.
Dewing's Early Turnip , an excellent variety for summer and winter use; roots good red (see cut).....	10c	50c
Early Bassano , one of the earliest; very tender and juicy.....	10c	50c
Eclipse Blood Turnip , (see cut), an early variety of excellent quality.....	10c	50c
Edmund's Blood Turnip , very desirable for market gardeners.....	10c	50c
Egyptian Dark Red Turnip , very early; roots deep red, tender and delicious (see cut).....	10c	60c
Long Smooth Blood , one of the best varieties for general or winter use, for pickling and salads as it slices better than the turnip shaped, (see cut).....	10c	50c
Swiss Chard, or Silver , this variety is cultivated for its leaf-stalks, which are served up much like Asparagus, and for its leaves, cooked as Spinach. Cut often, new and more tender stalks will be produced.....	10c	80c

For best varieties of Sugar Beet and Mangel Wurzel for feeding stock, see Agricultural Seeds.

BROCCOLI:

Brocoli—Spargelkohl—Broccoli.

Closely allied to the Cauliflower, but hardier. Sow the seeds in beds and transplant to rich, mellow ground, two feet apart. A light free loam, well enriched with rotted stable manure is best. Cultivate the same as Cauliflower. One ounce of seed will produce 2,000 plants.



White Cape Broccoli.

Early Purple Cape , very hardy; heads solid and compact; color greenish purple.....	Per pkt.	Per oz.	Per lb.
White Cape , later than Early Purple Cape; heads medium size, firm, and a rich creamy color, (see cut).....	10c	30c	\$3.00
	10c	30c	3.00

BRUSSELS SPROUTS.

Berza de Bruselas—Rosenkohl—Chou de Bruxelles.

This plant produces from the sides of the stalks numerous little Sprouts resembling Cabbages, one or two inches in diameter. They are very tender and sweet. Sow in seed-beds, transplant and cultivate like cabbage. Use the hoe often and keep clean. One ounce will produce 2,000 plants.



Dwarf Improved.

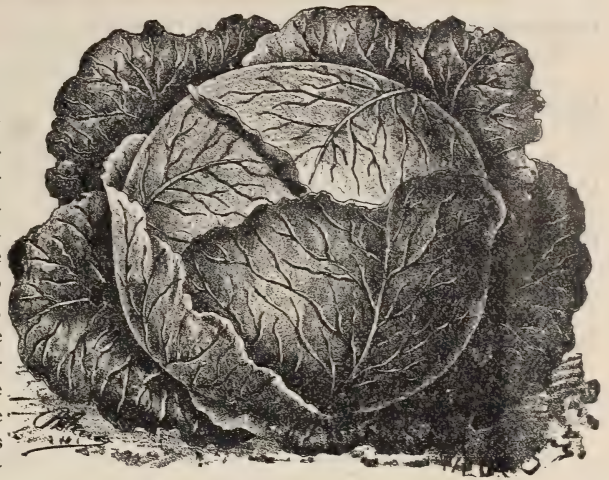
Dwarf Improved, very fine; heads of good quality (see cut), per oz., 15c; per lb. \$1.50.

If soil is dry, water well a day or two before sowing.

CABBAGE.

Repollo—Kopfkohl—Chou Pomme

Commence to sow the seeds of the early varieties in August, and each month following until spring for succession. Transplant as soon as large enough, to fresh, rich soil, in rows two feet apart and eighteen inches in the rows. For late use sow the Drumhead sorts in spring, and transplant to well manured ground three feet each way. In planting Cabbage or Cauliflower, care should be observed that the stem is set under the ground as far as the first leaf. The ground should be well worked, to produce good heads, and hoed as many as three times during the season, drawing the earth slightly about the stems. One ounce will produce 2,000 plants.



All Seasons Cabbage.

EARLIEST VARIETIES.

	Per oz.	Per lb.
Early Dwarf Ulm Savoy , one of the earliest; unsurpassed in quality; capital for family use	20c	\$2.00
Early York , one of the earliest; an old favorite variety	15c	1.50
Early Jersey Wakefield ; this cabbage is grown extensively by the leading market gardeners in the vicinity of New York and Boston	20c	1.75
Early Ox-heart , a popular sort; heads very close and firm	15c	1.50
Early Peerless , very early; round and uniform in shape; fine grained, short stump.	15c	1.50
Early Blood, or Dark Red Erfurt , early, heads round and solid, fine color and excellent quality	20c	2.00



Fottler's Early Brunswick.



Henderson's Early Summer.



Drumhead Savoy.



Large Late Drumhead.

SECOND EARLY VARIETIES.

	Per oz.	Per lb.
All Seasons , similar in form to Stone Mason; solid, compact; claimed to be as early and larger than the Henderson's Summer (see cut)	20c	\$2.00
Early Deep-Head , very solid; a good keeper and excellent shipper.	15c	1.50
Early Winningstadt , one of the best for general use; heads large, solid and keep well. Heads uniformly in the hottest weather; a standard variety, (see cut)	15c	1.50
Fottler's Early Drumhead, or Brunswick , this variety produces fine, large heads, (see cut).....	15c	1.50
Henderson's Early Summer ; this is the earliest of the Drumhead varieties; heads large, solid and keeps well, (see cut)	15c	\$1.50



Early Winningstadt.

Hollander , an excellent variety of the Drumhead type, a heavy cropper, a good shipper and succeeds well in heavy soil.	Per oz.	Per lb.
	30c	3.50
Large French Ox Heart , an excellent variety; coming in use after the Early York; it grows low on the stump.....	15c	1.50
Large York , larger than the early York, and a little later; round head.....	15c	1.50
Pe-Tsai , New improved Chinese. This variety does not form solid heads, but has large, loose leaves of fine flavor, which are cooked same as Kale.....	25c	2.50
Succession , a valuable variety, heading surely at any season.....	25c	2.50
Sure Head , (see cut). A variety remarkable for its certainty to head. Heads large, solid, with scarcely any loose leaves.....	20c	2.00



Cabbage Sure Head.

LATE VARIETIES.

Drumhead Savoy , cross between Savoy and Drumhead; produces large solid heads (see cut)	Per oz.	Per lb.
	15c	\$1.50
Large Late Drumhead , a well-known variety, with large, round, compact heads, see (cut).....	15c	1.50



Red Dutch Pickling.

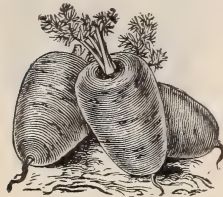


Stone Mason Drumhead.

Marblehead Mammoth Drumhead , the largest variety in the world, some specimens weighing upwards of 60 lbs.	Per oz.	Per lb.
	20c	\$2.00
Premium Flat Dutch , large and excellent for winter; of superior quality	15c	1.50
Stone Mason Drumhead , an excellent, sure heading variety; solid, (see cut).....	15c	1.50
Red Dutch , used for pickling; medium size, very solid, color deep red, (see cut).....	20c	2.00

CARROT.

Zanahoria—Mohre—Carotte.



Early French Horn.

Of root crops the Carrot ranks among the first in value of importance. The soil best adapted to it, and root crops in general, is a light loam, which should be richly manured, deeply ploughed, and pulverized. Sow in rows fifteen inches apart, and thin the plants five or six inches in the rows. One ounce of seed will sow about 150 feet of row. Three pounds to the acre.

VARIETIES FOR TABLE USE.

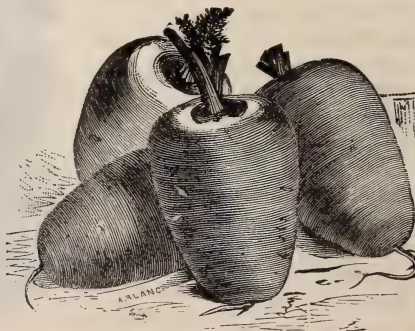
(For field Carrots for feeding Stock, see Agricultural Seeds.)



Half Long Danver's.



Early Short Scarlet.



Ox-Heart or Guerande.



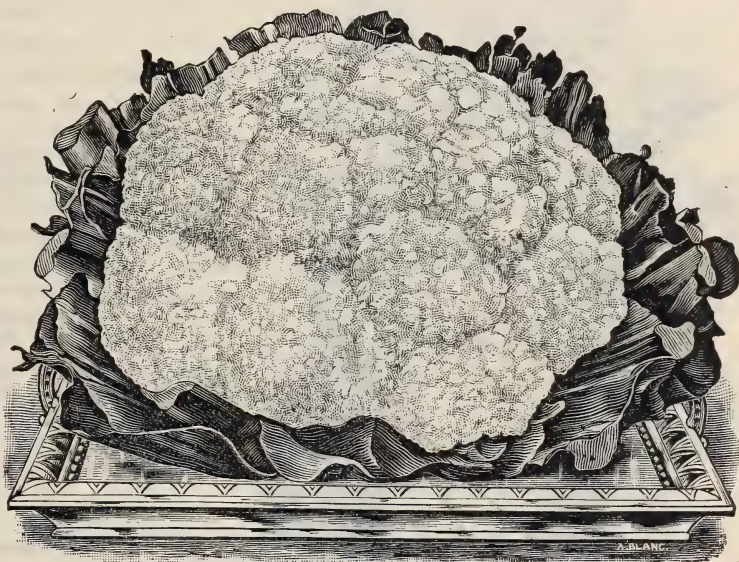
Half Long Scarlet Point Rooted.

	Per oz.	Per lb.
Altringham , large and finely flavored; color bright orange red	10c	\$0.75
Chantenay , a rich, dark orange color, and in shape very symmetrical. The stock has been so well bred that the carrots have attained to such uniformity in shape they are almost duplicates of each other.....	10c	.75
Carentan , a French coreless table variety; excellent	10c	.75
Danvers , half-long, a splendid cross between the Stump-rooted Short Horn and Long Orange. It is a first-class Carrot for any soil; rich, dark orange in color (see cut)	10c	.75
Early Short Scarlet , the most desirable for forcing (see cut).....	10c	.75
Early French Horn , small, best for table; generally used for forcing (see cut).....	10c	.75
Half Long Scarlet Point Rooted , larger than the Short Horn, and a desirable table variety (see cut).....	10c	.75
Improved Long Orange , extra clean; rich color; for general crop; good for stock....	10c	.60
Ox-heart, or Guerande , a very choice strain of the stump-rooted variety; roots very short, (see cut).....	10c	.75

CAULIFLOWER

*Coliflor—Blumenkohl—
Choufleur.*

This is one of the greatest luxuries which the garden affords. It requires care and a favorable season for successful cultivation. For early use, sow from July to September and transplant in rows two and a half feet apart, and two feet between the plants. For late crop, transplant and pursue the same course as with Cabbage. One ounce of seed will produce 2,000 plants.



Henderson's Early Snowball.



Autumn Giant.

	Per pkt.	Per oz.
Autumn Giant , a very large, vigorous late variety, succeeding well in this section, (see cut).	10c	\$1.50
Early Dwarf Erfurt , a good, compact heading variety, of fine quality (see cut) per lb., \$20.....	20c	2.00
Extra Early Paris , a standard early variety; good for forcing, per lb., \$7.....	10c	.75
Half Early Paris , heads large, white and tender; very popular; per lb., \$7.....	10c	.75
Henderson's Early Snowball , a variety held in great estimation by market gardeners for its earliness and reliability as a sure header, (see cut).....	20c	3.50



Early Dwarf Erfurt



LANC

Large Algiers.



Lenormand's Short-Stemmed.

	Per pkt.	Per oz.
Large Algiers , an extra fine variety for late sowing, (see cut); per lb., \$10.....	10c	1.00
Large White French , a favorite variety with the Paris market gardeners; early, large per lb., \$6.....	10c	.60
Lenormand's Short-Stemmed Mammoth , very fine, large heads, white and compact; one of the very best for late cultivation (see cut); per lb., \$8.....	10c	.75
Walcheren , the latest of all Cauliflowers and the hardiest. The head forms very slowly; large, very white and of close grain; per lb., \$5.....	10c	.50

CELERY.

Apio—Sellerie—Celeri.



Golden Self-Blanching.

Sow seed in frame or open ground. Transplant four inches apart, when three inches high, in rich soil finely pulverized; water and protect until well rooted, then transplant into rows five or six feet apart, either on surface or in well manured trenches a foot in depth, half filled with well-rotted manure. Set the plants from eight to twelve inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the tops of the center-shoots. One ounce of seed will produce 5,000 plants.

The Celeriac or Turnip-rooted may be planted either on level ground or in shallow drills, and cultivated in a manner similar to Celery. The roots are used as a salad.

	Per oz.	Per lb.
Boston Market , one of the best of the white varieties; early and hardy, (see cut).....	20c	\$1.75
Carter's Dwarf Crimson , fine dark crimson color; stalks sweet and crisp; a first class variety.....	20c	2.00
Crawford's Half Dwarf . When blanched, it is of rather a yellowish white, and is entirely solid, possessing the nutty flavor peculiar to the dwarf kinds, (see cut).....	20c	1.75
Celeriac, or Turnip-Rooted , forming turnip-shaped bulbs of Celery flavor, (see cut)	20c	2.00



Large White.



Celeriac.



Crawford's Half Dwarf.



Boston Market.

	Per oz.	Per lb.
Golden Dwarf, or Golden Heart. This differs from the Half Dwarf white kinds only in color; when blanched, the heart, which is large and full, is of a waxy golden yellow color.....	20c	\$1.75
Golden Self-Blanching , similar to the White Plume in its self-blanching characteristics, but of a deep, golden yellow color; (see cut).....	30c	3.00
Large White Solid , the most popular of the large varieties, (see cut).....	15c	1.50
White Plume. The stalks and portions of the inner leaves and heart <i>are naturally white</i> , so that by closing the stalks, either by tying them together or by pressing the soil up against the plant with the hand, and again drawing up the soil with a hoe or plow, so as to keep the soil that has been squeezed against the Celery in place, the work of blanching is completed. Its eating qualities are equal to the very best of the older sorts, being crisp, solid, and of a nutty flavor, while its white feather-like foliage places it ahead of all others as a table ornament.....	20c	2.00

CHERVIL.

Perifollo—Kerbel—Cerfueil.

Cultivate and use like Parsley. Sow at any time in the spring, in shallow drills, one foot apart.

Curled. The leaves of this are used for salads, and for garnishing, same as Parsley,
per oz., 10c; per lb., \$1.00

CHICORY.

Cichorie—Chicoree.

Sow the Large-Rooted, or Coffee variety, in the spring; in the fall the roots require to be taken up and cut in small pieces and put where they will dry, requiring the same treatment used in drying apples. When required for use it should be roasted and ground like coffee.



	Per oz.	Per lb.
Common, or Wild , used as <i>Barbe de Capucin</i> , a salad much used in France. Sown in spring, the roots are transplanted in autumn into sand in a cellar. The shoots which will come up soon, form the <i>Barbe de Capucin</i>	10c	\$1.00
Large Rooted, or Coffee , (see cut), much used in Europe as a substitute for coffee	10c	.90

Large Rooted

COLLARDS OR COLEWORT.

Cabu—Blatter kohl—Chou-Cabu.

A species of Cabbage which is eaten when young, and used quite extensively as greens. Sow in spring in drills one foot apart. Thin to eight inches and treat as Cabbage.

True Georgia,..... oz., 15c; lb., \$1.50.

CORN—SWEET.

Maiz—Welschkorn—Mais.

Plant the smaller varieties in drills three feet apart and ten inches apart in the rows; or in hills three feet apart each way and three or four grains in a hill. The taller varieties on rich soil should be given a space of four and one-half feet between the drills and one foot between the stalks, use some rich manure in the drills, hoe often, keeping the earth well stirred, drawing it in slightly about the roots.

The following are all eastern grown from extra selected stocks. (If ordered by mail 10 cents per pound will be charged additional for postage.)

	Per 100 lbs.	Per lb.
Black Mexican , the sweetest, richest, and tenderest of all sweet corn; it is remarkably productive. Second early; it is very white when suitable for cooking, but the kernels are bluish black when ripe	\$6.00	10c

Apply fertilizers during the winter months.



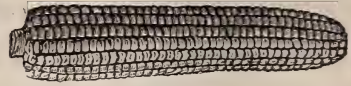
Early Minnesota.



Stowell's Evergreen.



Crosby's Early.



Early Mammoth.

	Per 100 lbs.	Per lb.
Crosby's Early Sweet , second early, sweet and productive, (see cut).....	6.00	10c
Early Minnesota Sweet , one of the earliest, with the ears of suitable size for market purposes, (see cut).....	6.00	10c
Early Mammoth (see cut). This variety produces the largest ears of any variety of early sweet corn.....	6.00	10c
Hickox Improved Sugar . Ears large, very white, handsome and of rich flavor.....	6.00	10c
Moore's Early Concord , second early, large, well-filled ears.....	6.00	10c
Stowell's Evergreen , a late variety, remaining green longer than any other kind, (see cut).....	6.00	10c

CORN SALAD.

Macha o' Valerianilla—Lammer-Salat—Mache.

Commonly called Lamb's Lettuce. For a summer supply, sow early, in shallow drills one foot apart; and for early spring use, sow about the first of September.

Large Seeded, round leaved.....oz., 10c; 1b., \$1.00.

CRESS OR PEPPERCRASS.

Berro o Mastuerzo—Kresse—Cresson.

Select good, rich soil, sow the seeds thickly at frequent intervals for a succession, in drills one foot apart, covering lightly. A cool, moist soil and shady location is the best for summer sowings. One ounce of seed will sow 10 feet of drill.

	Per oz.	Per lb.
American , an excellent substitute for Water Cress.....	10c	\$0.75
Extra Curled , very fine; excellent for salads.....	10c	.50

CRESS (WATER).

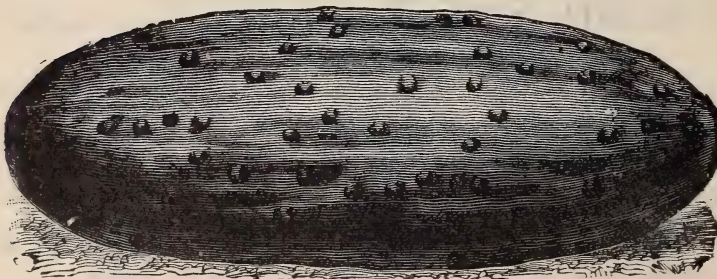
Brunnenkresse—Cresson de fontaine.

The plant is cultivated by sowing the seeds by the side of running water or near springs.

Water Cress is an aquatic plant with small, oval leaves, and prostrate habit. The leaves are universally used and eaten as an early and wholesome salad in spring. Pkt., 10c; oz., 40c; 1b., \$4.00

CUCUMBER.

Pepino—Gurke—Concombre.



Nichol's Medium Green.

Plant the seed as soon as the weather becomes settled and warm, in hills four feet apart, using a shovelful of warm, well-rotted manure to each hill. Cover the manure two inches deep with fine earth, and plant eight or ten seeds in each hill. The seeds should be covered about one-half inch deep with well pulverized soil and firmly pressed down with the back of

the hoe. Hoe often, and when out of danger from insects thin to four plants in each hill. Cucumber.

as well as Melon and Squash seeds, are considered best when two or three years old; they run less to vines, and bear earlier and more abundantly. One ounce will plant about 100 hills.

Boston Pickling , medium size; a very productive kind, of superior quality (see cut)..	Per oz. 10c	Per lb. \$0.70
Climbing Delicatessen . (See cut.) A distinct variety, climbing up stakes and trellises, 8 feet in height, producing Cucumbers 8 to 10 inches in length, of a very fine flavor. Per pkt., 10c.....	75c	
Crosse & Blackwell's Pickling , the variety used by the above celebrated London firm for pickles.....	10c	1.00



Long Green.



Boston Pickling.



Early Cluster.



Early White Spine.



Cucumber Climbing Delicatessen.

Early Russian , the earliest; grows about four inches long.....	Per oz. 10c	Per lb. \$0.60
Early Frame , a very popular variety; short and prolific.....	10c	.60
Early Cluster , very productive; grows in clusters; short and prickly, (see cut).....	10c	.60
Long Green , an old standard sort; makes hard, brittle pickles, (see cut).....	10c	.60
Long Green Turkey , an excellent variety, of good color, firm and crisp.....	10c	.75
New Siberian . (See cut). The earliest cucumber known, having produced fruits five inches long within <i>fifty-five days</i> from the time of sowing the seed <i>in the open ground</i> . Of medium size, a splendid free bearer, fruits straight, smooth, tender and crisp.....	10c	.75
Nichol's Medium Green , of recent introduction; one of the best for general use, (see cut).....	10c	.60
Tailby's Hybrid , a cross between the White Spine and an English Frame variety.....	10c	.75
White Spine , excellent for the table or pickling; a great bearer, (see cut).....	10c	.60
West India Gherkin , oval shaped, prickly, for pickling only. Pkt. 10c.....	20c	1.50



New Siberian.

The roots will always strike down for moisture.

DANDELION.

Amargon—Kuhblume—Pissenlit.

This vegetable has become very popular as an early healthful green, and the roots also are used when dried as a substitute for coffee. Its use in either of these forms is particularly recommended to those who are inclined to any disease of the liver. Sow in drills one foot apart, covering the seed half an inch deep. A rich soil is preferable, but this plant will thrive anywhere.

Dandelion, common variety, per pkt. 10c; per oz. 30c. **Improved**, large leaved, per pkt. 10c; per oz. 75c.



New York Improved.

EGG PLANT.

Berengena—Eierpflanze—Aubergine

A tender annual, producing large egg-shaped fruit and considered a delicacy. Sow seed in a frame if possible. When three inches high transplant into small pots, so that the plants may become stocky, and be readily planted out from the pots. When the season becomes sufficiently warm transplant into thoroughly worked and well enriched soil about three feet apart each way. One ounce of seed will produce about two thousand plants.

	Per pkt.	Per oz.
Early Long Purple , of easy culture; thrives well in almost any section.....	10c	35c
New York Improved Purple , an improved variety of the Round Purple, of deeper color, larger size, and finer quality; a superior market variety, (see cut)	10c	50c

ENDIVE.

Escarola o Endibia—Endivien—Chicoree.

This vegetable is highly esteemed as a salad. Sow small quantities at different times to insure a plentiful supply, as these crops soon run to seed. One ounce of seed will produce about 3,000 plants.



London Green Curled.

	Per oz.	Per lb.
Broad-leaved Batavian , leaves broad; nearly plain; light green; best for soups.....	20c	\$2.00
French Moss Curled Green , moss-like appearance, beautifully curled.....	20c	2.00
London Green Curled , the common and the best known kind, crisp and tender, (see cut).....	20c	2.00
Large Curled, or Ruffle Leaved , a variety largely grown by the French for salad....	20c	2.00

GARLIC.

Knoblauch—Ail.

(If ordered by mail, 10 cents per pound additional will be charged for postage.)

Garlic Sets.....lb. 15c., 100 lbs., Market Price.

KALE, OR BORECOLE.

Col—Blatterkohl—Chou Vert.

Sow the seeds in beds, covering lightly. Transplant into rich, mellow ground, and cultivate the same as Cabbage. They are rendered very tender and delicious by moderate touches of frost. One ounce of seed will produce about 2,000 plants.

	Per oz.	Per lb.
Dwarf Curled, or German Greens , cultivate the same as Spinach.....	10c	\$1.00
Green Curled Scotch , the kind most commonly used; grows to a height of eighteen inches, (see cut).....	10c	1.00

All orders executed promptly and correctly.



Early White Vienna.



Green Curled Scotch.



London Flag.

KOHL RABI.

Colinabo—Kohlrabi—Chou-rave.

Sow in rows two feet apart; thin the plants to one foot apart. One ounce of seed will produce about two thousand plants.

	Per oz.	Per lb.
Early White Vienna , flesh white and tender, very productive, (see cut).....	15c	\$1.50
Early Purple Vienna , very hardy; flesh of bluish purple color.....	15c	1.50

LEEK.

Puerro—Lauch—Poireau.

Sow in drills one foot apart, and one inch deep, in light, rich soil, liberally manured; thin the plants to ten inches. One ounce of seed will sow about 100 feet of drill.

	Per oz.	Per lb.
London Flag , a large and strong plant; hardy (see cut).....	20c	\$1.50
Large Musselburgh , a standard old Scotch variety; per pkt. 10c	20c	1.50
Monstrous Carentan , a superior variety, with distinct and dark colored leaves.....	25c	2.50

LETTUCE.

Lechuga—Salat--Laitue.

Select rich, moist soil, and prepare beds or draw drills; thin or transplant, when an inch or two high to one foot apart for heading; hoe frequently to prevent them from going to seed. One ounce of seed will produce about 5,000 plants.

	Per oz.	Per lb.
All the Year Round , heads compact and crisp, may be sown for succession all the year round.....	10c	\$0.80
American Gathering , a distinct variety, the tips of the leaves marked with red	10c	.80



New Longstanding White Cos.



Tomhannock.

Pile manure till well rotted before using.

	Per oz.	Per lb.
Black Seeded Satisfaction , very large, tender heads, very suitable for summer use (see cut).....	10c	.80
Black Seeded Simpson , leaves almost white; stands the heat well; size nearly double that of the Curled Simpson; prized by all who have cultivated it; our seed is from pure stock.....	10c	.80
Boston Market (White Seeded Tennis Ball) , white and crisp; the best and earliest for forcing, making small, compact heads.....	10c	.80
Denver Market . An early Head Lettuce of great merit; very crisp, tender and of excellent flavor, (see cut).....	10c	1.00



Salamander.



Satisfaction.



Giant White Cos (Romaine)



Denver Market Lettuce.

Early Curled Silesia , rather loose heads; leaves large and light.....	10c	.80
Early Curled Simpson, White seeded , an improved variety of the Early Curled Silesia	10c	.80
First of All , a brown Cabbage Lettuce of excellent quality and has the reputation of being positively the earliest of all.....	15c	1.00
Giant White Cos , heads upright, tender and crisp; should be tied up to blanch ten days before cutting, excellent quality, (see cut).....	10c	1.00
Golden Ball , very crisp, of a delicate yellow color, and distinct from all other sorts..	15c	1.00
Hanson , heads very large, tender, crisp; green outside, white within; stands the heat well	10c	.80
Large Drumhead, or Malta , good summer variety; heads large and of good flavor....	10c	.80
New Longstanding White Cos , (black seed), (see cut). In shape this variety resembles the White Seeded Giant Cos Lettuce, but its heads much better and the leaves are firmer and more numerous. It is very slow to run to seed and withstands the heat better than any other variety.....	20c	1.50
New York Head , the best Lettuce for summer; its size is immense, heads not unfrequently weighing four pounds each. The outer leaves are dark; the heads blanch white, and are crisp, tender and of excellent flavor.....	15c	1.00
Prize Head , heads of large size; remains tender and crisp throughout the season; very hardy.....	10c	.80
Red Edged Victoria , heads are large, solid, compact and tender; slow in forming heads	10c	.80
Salamander , one of the best summer varieties, forming good-sized, compact heads; color light green outside, and white on inside (see cut).....	15c	1.00
Tennis Ball, Black Seeded , one of the earliest heading varieties.....	10c	.80
Tomhannock , a new variety, remarkable for its long keeping qualities (see cut)	15c	1.00
White Summer Cabbage , heads well formed and of good size; excellent for summer.	10c	.80

Ours is the largest seed store west of the Mississippi River.

MARTYNIA.

Gemsenhorn.

A hardy annual plant; with strong branching stem; grows about three feet high. The young pods which are used for pickling, are produced in great abundance, and should be gathered when about half grown, or while tender and succulent. Sow in seed-bed and transplant to any rich garden soil, two and a half feet apart each way.

Martynia Proboidea Per pkt., 10c; per oz., 30c.

MELON—(MUSK.)

Melon Almuzelena—Cantalupen—Muscade

Select light, warm soil. Plant in hills six feet apart each way, six or eight seeds to a hill; thin out to three or four plants when in a forward state. The hills should be prepared by digging out the soil a foot and a half deep, thoroughly mixing in each hill a couple of shovelfuls of well decomposed stable manure, filling up a little above the level. The planting should be deferred until warm, settled weather. One ounce of seed will plant about 100 hills.



Montreal Nutmeg.



Large Hackensack.

	Per oz.	Per lb.
Baltimore , very prolific; it is rich in flavor, thick flesh, bright green in color; shape somewhat long, netted and deeply ribbed.....	10c	\$0.60
Banana Citron , creamy white outside, flesh salmon color, possessing both the flavor and fragrance of the Banana, (see cut)	10c	1.00
Bay View (see cut), very desirable for shipping; prolific and early; green flesh.....	10c	.60
Christiana , very early; medium size; flesh reddish yellow.....	10c	.60



Banana Citron.

Emerald Gem , small, extra early; smooth, dark green skin and orange flesh, very sweet	15c	1.00
Extra Early Hackensack , ripens ten days earlier than the Large Hackensack, of good quality	10c	.70
Jenny Lind , small, round, extra early, fine netted, of good flavor.....	10c	.60
Large Hackensack , of very large size; very prolific; rich in flavor; thick juicy flesh (see cut)	10c	.60
Large Yellow Cantaloupe , good size; flesh reddish orange, sweet and of good flavor.	10c	.60
Nutmeg , skin deep green; flesh greenish yellow, very fragrant, and of delicious quality.	10c	.60

Rich soil requires less seed to crop it than poor.



Bay View.



Prolific Nutmeg.



Skillman's Fine Netted.



Surprise.

Montreal Nutmeg, grows to an immense size; deep ribbed; flattened at both ends, very thick flesh, rich in flavor, (see cut)

Osage, the most fragrant and delicious Musk Melon grown

Prolific Nutmeg, a very good, hardy, and prolific variety; fruit medium size, roundish, netted; flesh thick, green, and of very excellent flavor, (see cut)

Skillman's Fine Netted, flesh deep green, of delicious flavor; early, (see cut)

Surprise, this sort has a thin, cream colored skin, and thick, salmon colored flesh; is an early variety of delicious flavor, (see cut)

Per oz. Per lb.

10c .60

10c .75

10c .60

10c .60

10c .60

MELON—(WATER).

Sandia—Wassermelone—Melon d'Eau.



Evolution from the Water Melon

As soon as the weather becomes settled and warm, select soil and manure as recommended for Musk Melons. Plant in hills six to eight feet apart, six to ten seeds, one inch deep, and thin to three best plants. Hoe often, and gradually hill up until the vines touch, and after the flowers appear, pinch off the extreme end of the most luxuriant shoots.

Black Spanish, medium size, round, black-seeded, red flesh, thin rind, small vine; will admit of closer planting than the other varieties; a fine melon, of the best quality

Citron, for Preserves, (red-seeded); the standard old variety for preserves, good also for feeding cattle

Colorado Pie Melon, (*Melon Pumpkin*), good for feeding cattle or for pies; flesh very firm and solid, with a small proportion of seeds

Cuban Queen, (see cut), beautifully marked, light and dark green; solid, crisp, bright red flesh; grows to an immense size

Dark Icing, or Ice Rind, round, solid, thin rind, very delicious in flavor; not desirable for shipping, owing to its thinness of rind, (see cut)

Per oz. Per lb.

10c .50

10c .60

10c .60

10c .50

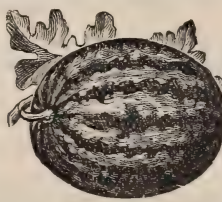
10c .50



Phinney's Early.



Dark Icing.



Mountain Sweet.



Cuban Queen.

Dixie. This Watermelon possesses the rich, luscious flavor of the old Mountain Sweet united with the excellent shipping quality of the Kolb's Gem. It is longer than the latter variety, flesh is of an intense deep scarlet, very sweet, tender and juicy. It is very prolific, with the valuable characteristic of rooting at almost every joint, thereby increasing the duration of the vines.....

Per oz. Per lb.

10c .50

Florida Favorite, a new, superior strain: improvement on Rattlesnake; earlier.....

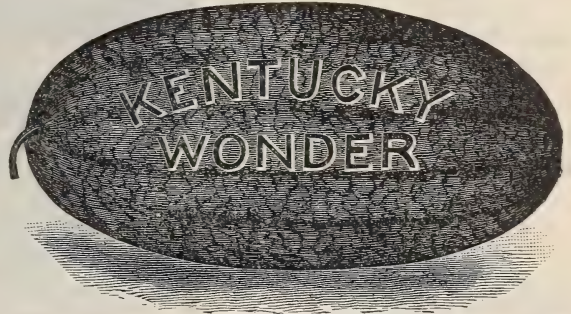
10c .60

Georgia Rattlesnake, or Gypsy, standard Southern variety, possessing remarkable shipping qualities; oblong, scarlet flesh, crisp, and juicy.....

10c .50



Mountain Sprout.



Green and Gold. This variety is of a golden yellow color, it possesses all the excellent qualities of the older varieties.....

10c .60

Kentucky Wonder, a new variety, highly recommended, enormously productive (see cut).....

10c .60

Kolb's Gem, flesh bright crimson, solid, sweet and luscious, increasing in popularity every year, (see cut).....

10c .50

Lodi, a large, solid, cream-colored melon, with red flesh, of a rich, delicious flavor, with only half an inch of rind; white-seeded; a great favorite in the San Francisco market.....

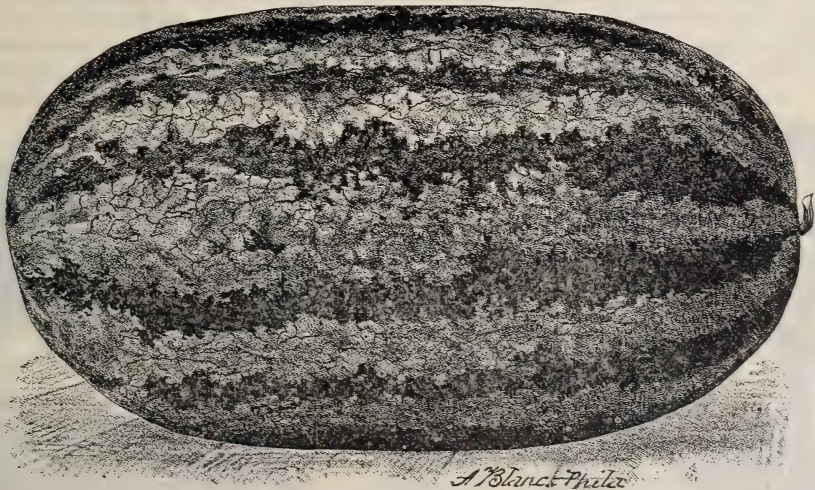
10c .50

Long Light Icing, a very excellent melon for general purposes; fine quality.....

10c .50

Mammoth Iron Clad, a variety that all large growers of melons for shipping should give a trial, (see cut).....

10c .50



A. Blanc & Fritz

Mammoth Ironclad.

Mountain Sprout, oval, large growing, bright scarlet, crisp, good keeper, (see cut)...

10c .50

Mountain Sweet, a large, long melon; flesh red, firm and sweet, solid to the center; a well-known standard variety, (see cut).....

10c .50

New Favorite, a new southern variety of surpassingly fine flavor; fine for family use.

10c .60

New Orange. The rind will peel like an orange when fully ripe.....

10c .70

Peerless, or White-Seeded Ice Cream, nearly round, pale green, thin rind, scarlet flesh.....

10c .50

Read the cultural notes under each heading carefully.

Per oz. Per lb.

Phinney's Early, the earliest of all varieties; medium size, oval, quick growing variety; thin rind, red flesh, very hardy and productive (see cut)..... 10c .50

Scaly Bark, very prolific; the skin is a dark green, mottled, and striped light green..... 10c .70

Seminole, new; extra early, extra large, enormously productive and of most delicious flavor.... 10c .80

The Volga, this variety came originally from Russia, and is one of the finest flavored melons; it is a perfect globe in shape, of small size, the weight rarely exceeding 15 lbs.; flesh is a bright crimson, and in crispness and delicacy of flavor is unsurpassed. 10c .60

Wild Watermelon, highly spoken of in Florida, where it is grown by many in preference to the cultivated varieties..... 10c 1.00



Kolb's Gem.

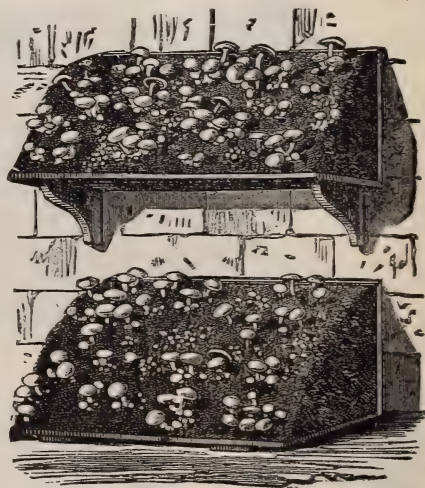
MUSHROOM SPAWN.—(See cut.)

Blanc de Champignon—Seta—Champignonbrut.

CULTURE—Mushrooms may be grown in cellars, under benches of greenhouses, or in sheds, wherever the temperature of 60 degrees can be kept. Secure fresh horse dung, free from straw and litter, and mix in an equal bulk of loam from an old pasture with it. Keep this under cover, taking care to turn it every day to prevent heating, until the pile is large enough to make a bed of the required size. Three or four feet wide, eight inches deep and any length desired, are the proper proportions for



Mushroom.



Mushroom Beds.

a bed; these may be varied. Prepare the mixture of loam and manure, making the bed in layers, and pounding down each with the back of the spade. Leave this to heat through for a few days, and as soon as the heat subsides to 90 degrees, make holes in the bed about a foot apart each way, into which

put a piece of the spawn two or three inches in diameter; fill up the holes with the compost, and at the expiration of a week or ten days the spawn will have thoroughly diffused itself through the bed. Spread a layer of fresh soil over the heap to a depth of two inches, and cover with three or four inches of hay, straw or litter. Examine the bed often to see that it does not get dry. When water is given it should be at a temperature of about 100 degrees. Mushrooms will appear in from four to six weeks, according to the season. (See cut of Mushroom beds).

- English Spawn** 1 lb. Bricks, each, 20c; doz., \$2.00
French Spawn in 2 lb. Boxes, including book of cultural directions, each, \$1.00; 4 lb Boxes, 2.00
 When ordering by mail, add ten cents per pound to cover postage.

MUSTARD.

Mostaza—Senf—Montarde.

Used as a salad early in Spring, sometimes with Lettuce and Cress. Plant like Cress.

- Brown or Black**, more pungent than white..... Per lb., 10c
New Chinese, leaves very large, fourteen to sixteen inches in length, which are cooked like Spinach, and have a very agreeable flavor. One of the best green foods for poultry of all ages..... Per oz., 10c Per lb., 75c
White London, best for salads or medicinal purposes..... Per lb., 10c
 (When ordering by mail, add 10c per lb., to cover postage.)

NASTURTIUM.

Maraneula—Indianische Kresse—Capucine Grande.

The tall or climbing varieties are used to cover arbors or fences, or to climb or twine upon the sides of a house; they may be planted in rows, the dwarf kinds in hills or rows four feet apart. The seeds, picked when young and green, are used for pickles, and the leaves for salads. One ounce of seed will sow twenty-five feet of row.

- Dwarf**, very ornamental, per oz., 15c., per lb., \$1.00 **Tall**, excellent climber, per oz., 15c., per lb. \$1.00

OKRA.

Quimbombo—Essbarer—Gombo.

This vegetable produces long nutritious pods, which, when young, are used in soups and stews, to which they impart a rich flavor. It is easy of culture, grows freely and bears abundantly on any ordinary garden soil. Sow after the ground has become warm, in drills two inches deep, and two and a half feet apart; thin out the plants to nine inches in the row; hoe often and draw the earth up to the stems. One ounce of seed will sow fifty feet of row.

- Early Dwarf**, early and productive; pods white, round, smooth, (see cut). Per oz. Per lb. 10c .75
Long Green, later and more productive; long ribbed pods..... 10c .75
New White Velvet, pods round, smooth, free from seams, exceedingly tender, well flavored and very prolific. The best of the Okras..... 15c \$1.00



Early Dwarf.



Mammoth Silver King.

ONION.

Cebolla—Zwiebel—Ognon.

Select fine, light soil, and manure heavily with the oldest and strongest compost that can be procured. Plow a depth of five inches, and work well with the cultivator. Plow again at right angles with the first furrows, and again thoroughly cultivate. The ground will then be in fine working order, and should be leveled smoothly with a rake. Drill fourteen inches apart, sowing the seed thinly, cover a quarter of an inch deep with fine soil, and press down with the back of a spade or light roller.

We recommend the Planet Jr. Seed Drill for sowing Onions. It will do it better than possibly can be done by hand. See "Implementments," etc.

When the young plants are strong enough, thin gradually, so that they stand finally four inches apart. Keep clean of weeds, and

take care that the earth does not accumulate about the bulbs, but allow them to bottom above the ground. When the greenness has left the top of the onions, pull them, and let them dry a few days before storing. One ounce of seed will sow about 100 feet of drill. Four pounds to the acre.



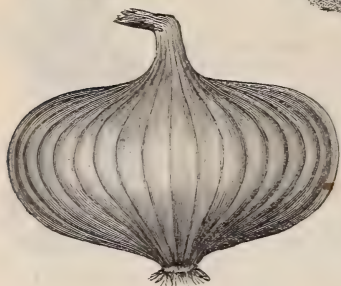
Extra Early Red.



Extra Early Pearl.



Giant White Tripoli.



El Paso.



Large Red Wethersfield
Per oz. Per lb.



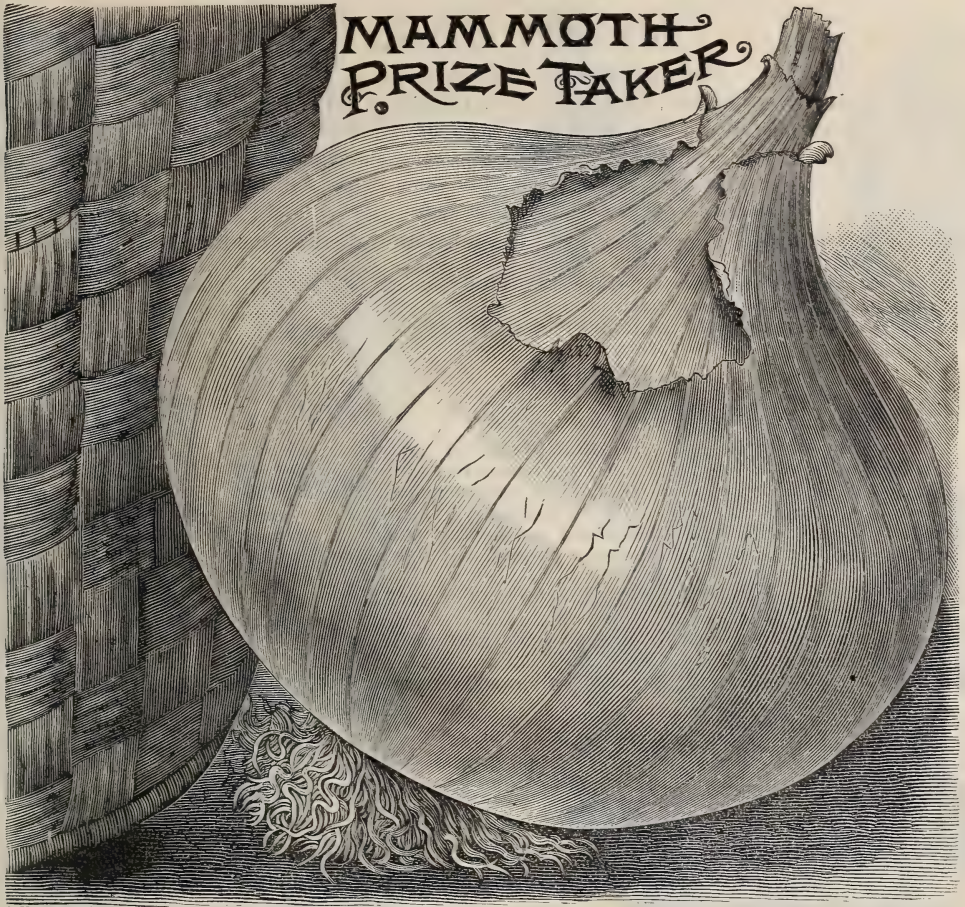
Early Red Globe



White Portugal.

Per oz. Per lb.

- Bermuda**, the well known onion of commerce; very mild and of excellent flavor 20c \$2.00
- Early Red Globe**, similar to Extra Early Red except in shape, (see cut)..... 15c 1.50
- El Paso, or Large Mexican**, large size, mild and tender, (see cut)..... 20c 2.00
- Extra Early Red**, a very early flat variety, heavy, close grained, keeps well, (see cut)..... 15c 1.25
- Extra Early Pearl, or Barletta**, new Italian variety; pure white skinned, mild flavor, (see cut)..... 25c 2.50
- Germain's Yellow Globe Danvers**, a thick, heavy, straw-colored Onion, mild flavored and yields abundantly; ripens early and keeps equal to the best, (see cut)..... 15c 1.25
- Giant Rocca**, very large, globular form, with bright brown skin, and delicate flavor. 20c 2.00
- Giant White Tripoli**, a mild flavored flat Onion of quick growth; attains a very large size, (see cut)..... 20c 2.00
- Large Red Wethersfield**, grows very large; keeps well, and is pleasant flavored (see cut) 15c 1.25
- Mammoth Silver King**, new, very large, particularly mild and pleasant flavored, (see cut)..... 25c 2.50
- Marzagole, or Neapolitan**, an extra early Silver Skinned variety of great merit 25c 2.50
- New Queen**, a small white Onion, of quick growth and remarkable keeping qualities; good for pickling. 25c 2.50
- Silver Skin Pickling**, a small French variety, used extensively in Europe for pickling, its white color, in contrast with the fine green veins or lines gives it a very agreeable appearance 20c 2.00
- Spanish King, or Mammoth Prize-Taker**, largest Onion known; will grow to full size in California; of a straw color, (see cut)..... 15c 1.50



	Per oz.	Per lb.
White Globe , very fine shape, skin white; fine grained, mild and pleasant flavored; keeps well.....	25c	\$2.50
White Portugal, or Silver Skin , flavor mild, grows to a fair size and handsome shape; excellent for summer and fall use, (see cut).....	25c	2.50

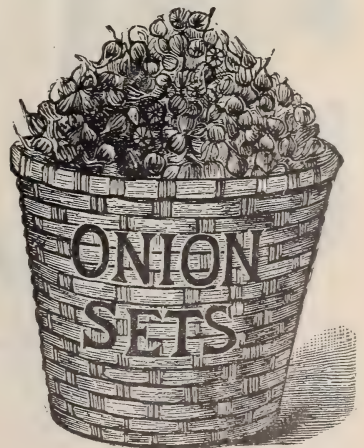
ONION SETS.

Bottom Onions, or Onion Sets, are produced by sowing the seed thickly late in the spring, in beds or drills, and about the end of August, or whenever the tops die down, the little bulbs or sets are gathered and kept spread thinly in a dry airy loft, and re-set in the spring, to make large Onions.

Yellow Bottom Sets , (see cut)	Per lb, 20c
White Bottom Sets	" 20c
Red Bottom Sets	" 20c

If ordered by mail 10 cents per pound will be charged additional for postage. Price per 100 lbs. on application.

Top or Button Onions are the little round bulbs, growing on top of the stalk, and are planted early in the spring, in shallow, twelve-inch drills, about four inches apart, slightly covered; these will produce large Onions, maturing much earlier than from the seed. If the large Onions are planted again in the spring, they will produce a number of small bulbs growing on the top of the stalk, which serve as a substitute for seed in propagation. Per lb. 25c, postage added as above. Price per 100 lbs. on application.



PARSLEY.

Perijil—Petersilie—Persil.

Parsley succeeds best in rich, moist soil. Sow thickly in drills one foot apart and half an inch deep. The seed germinates slowly, and frequently remains in the ground two or three weeks without showing any signs of vegetation. When the plants are two inches high, thin them out to four inches apart. One ounce of seed will sow about fifty feet of row.



Extra Curled.

Champion Moss-Curled , a very select stock; leaves beautifully curled; the finest variety for garnishing.....	Per oz	Per lb.
Extra Curled , a fine dwarf variety; leaves beautifully curled, (see cut).....	10c	\$0.75
Fern Leaved , invaluable as a garnishing plant.....	10c	.75
Hamburg or Turnip-Rooted , the roots are excellent for flavoring soups.....	10c	1.00

PARSNIP.

Chirivia—Pastinake—Panaïs.

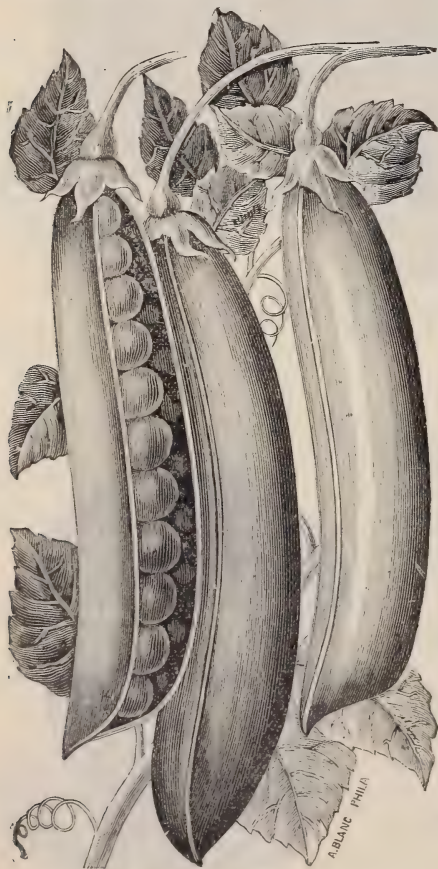
A deep, richly manured soil, susceptible to moisture, should be selected for Parsnips. This vegetable requires a long season to mature, and the seed should therefore be sown early. Drills half an inch deep and fifteen inches apart should be marked out; drop the seed in thickly, for where the seeds are few they are apt to perish in the ground, not having sufficient strength to open the pores of the earth. One ounce of seed will sow about fifty feet of row.



Hollow Crowned , best Parsnip grown either for table or stock, (see cut).....	Per oz.	Per lb.
Improved Guernsey , a standard variety; roots medium in length, white, smooth and tender.....	10c	\$0.50
Round, or Turnip-Rooted , excellent for shallow soil (see cut).....	10c	.75

Hollow Crowned.

Round.



Stratagem.

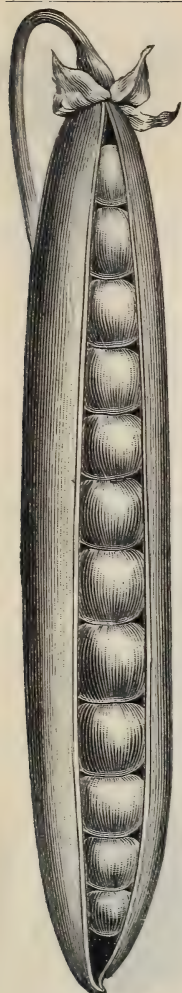
PEAS.

Chicharos o Guisantes—Erbesen—Pois.

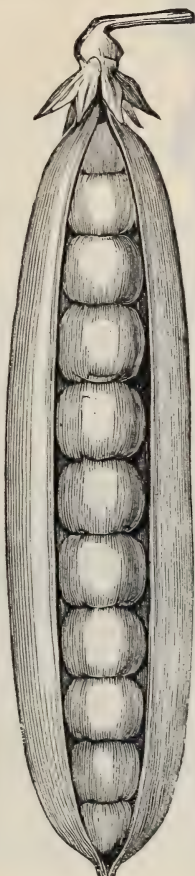
The Pea is one of our most important crops, and to be successfully grown must be liberally treated. A deep, rich soil, well pulverized, and incorporated with a fair allowance of well decayed manure, should be chosen for the principal crops. For early Peas the ground does not require to be so rich. Sowing of the first early variety should be made in October, and the other varieties for successive crops, plant every two weeks until the first of April.

Peas are sown in single or double rows, from two to six feet apart, according to the variety or the height to which they attain. Have the rows of the dwarf varieties two feet apart, and those of the medium sorts from three to four feet, and the tall varieties from five to six feet apart.

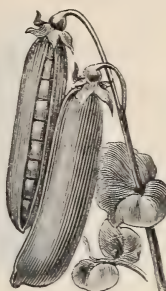
When raised for market, Peas are not staked but sown in single rows; when intended for private use, they should be sown in double rows about nine inches apart, and covered two inches deep. Staking up should be commenced when they are three inches high. The dwarf varieties may be grown without sticks. Two pounds will sow 100 feet of row. (If ordered by mail, will be charged 10 cents per pound, additional, for postage).



Telephone.



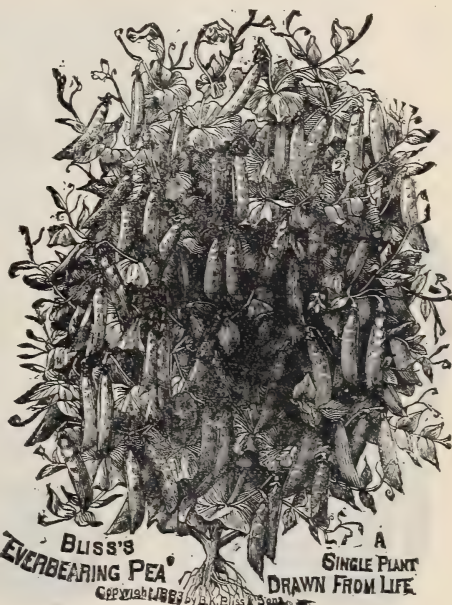
Pride of the Market.



Abundance.



McLean's Advancer.



Bliss' Everbearing.

FIRST EARLY VARIETIES.

	Per 100 lbs.	Per lb.
American Wonder , the earliest dwarf wrinkled Pea in cultivation; quality unexcelled.	\$8.00	15c
Carter's First Crop , a favorite early variety; productive, pods large and well filled (see cut) 2½ feet.....	8.00	15c
Cleveland's Alaska , the earliest Pea known; excellent for market gardener's use (see cut)	8.00	15c
McLean's Little Gem , a green, wrinkled, early marrow, of delicious flavor; 1 foot.....	8.00	15c
Premium Gem , a splendid wrinkled variety, very early and of fine flavor; 1 foot.....	9.00	15c

SECOND EARLY VARIETIES.

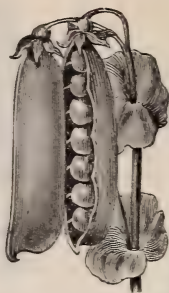
Abundance , an immense bearer; Peas large and of excellent quality, (see cut).....	8.00	15c
Dwarf Sugar , (Edible Pods); pods beautifully crimped, and very sweet; of delicious flavor; use same as snap beans.....		15c
McLean's Advancer , a green, wrinkled variety, of fine flavor and very productive; 2½ feet (see cut).....	8.00	15c
Pride of the Market , pods 5 to 7 inches in length, well filled; quality excellent, (see cut)	8.00	15c
Stratagem , the most elegant and showy Pea in cultivation, 4 feet (see cut).....	8.00	15c
Yorkshire Hero , the favorite Los Angeles market Pea, 2½-3 feet; a sure cropper (see cut)	6.00	10c

GENERAL CROP.

Black-eyed Marrowfat , excellent for a general crop; favorite market sort; 4 feet.....	5.00	10c
Champion of England , green wrinkled; a great favorite; unsurpassed in quality and productiveness; 4 feet.....	8.00	15c
Everbearing , remarkably prolific; pods very fine and closely filled; Peas soft, juicy, and of excellent flavor, (see cut).....	8.00	15c
Telephone , handsome pods, well filled with Peas of large size and good quality, (see cut)	8.00	15c
White Marrowfat , a standard variety; good flavor, very productive; 4 feet.....	4.00	10c



Yorkshire Hero.



Cleveland's Alaska.



Carter's First Crop.

PEPPER.

Pimiento—Pfeffer—Piment.

Sow early in the spring in a frame. Transplant when the weather is favorable to open ground, in rows eighteen inches apart and ten inches in the row. The ground should be highly manured before transplanting. When about six inches high, hoe the plants and earth up slightly.



Ruby King.



Long Red Cayenne.



Large Bell, or Bull Nose.



Large Sweet Mountain.

	Per oz.	Per lb.
Cayenne , pods small, long and tapering; coral red when ripe; very hot and strong, best kind for seasoning pickles; the Cayenne Pepper of commerce, (see cut).....	25c	\$2.50
Celestial , a marvel from China, both useful and ornamental. Per pkt., 10c.....	50c	
Cherry , small, round, smooth and productive; a good variety.....	35c	2.50
Chili, Small, or Bird's Eye , pods pendant, sharply conical, about 1½ inches in length; very piquant; excellent for pickles.....	40c	3.00
Elephant's Trunk . This splendid variety produces fruit measuring from 10 to 12 inches in length and from 3 to 4 inches in diameter. It is scarlet in color, fleshy and of mild flavor. 10c per pkt.....	75c	
Golden Dawn , a beautiful pepper, resembling the Bell; very mild in flavor.....	30c	3.00
Kaleidoscope claims attention on account of its splendid decorative qualities. The fruit is first pale green, changing from that through milk white, yellow, rose, and carmine to coral color. Per pkt., 10c	50c	
Large Bell, or Bull Nose , early, sweet, and of good flavor; standard sort, (see cut)....	25c	2.50
Large Sweet Mountain , very large, and excellent for Mangoes, (see cut).....	30c	2.50
Mexican Chili , (true); beautiful and productive; three to four inches in length; very pungent.....	25c	1.50
Red Cluster , as implied by the name, this variety fruits in bunches at the end of each branch. The thin peppers are of a brilliant coral red color, and very hot in flavor. Per pkt., 10c.....	50c	
Ruby King , large size, splendid color, mild and productive, (see cut).....	30c	2.50
Squash , excellent for pickling alone; large, thick fleshed, skin smooth.....	30c	2.50

The quality of our seeds is unexcelled.

POTATOES.

Patatas—Kartoffeln—Pommes de Terre.

Assortment of the best varieties in season. Market prices upon application.

PUMPKIN.

Kurbis—Courge.

Plant in manured hills eight feet apart, and leave three strong, healthy plants in each hill. When planted among corn, take every fourth row. Keep as far from melons and cucumbers as possible, as they are apt to mix. One pound of seed will plant about 400 hills.

If ordered by mail, 10 cents per pound will be charged additional for postage.



Mammoth Tours, or Jumbo.

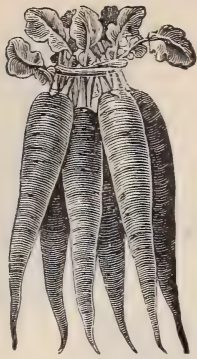
	Per oz.	Per lb.
Cashaw , (crook-necked), solid flesh, fine and sweet; keeps well.....	10c	\$0.60
Cheese , size large; skin reddish orange; flesh thick, fine and sweet.....	10c	.60
Gramma, or Trombone . An Australian variety of peculiar shape; very useful for pies and preserves. A good keeper. Per pkt., 10c.....	20c	
Large Yellow Field , the true Eastern kind for stock; seeds are much used medicinally.....	10c	.35
Mammoth Tours, or Jumbo , an imported variety of immense size, often weighing 150 pounds; very productive and good keeper; flesh salmon color; desirable for cooking purposes and stock feeding, (see cut).....	15c	1.00
Quaker Pie , best for cooking purposes.....	10c	.75
Sugar , medium size, excellent for cooking.....	10c	.60

See also Agricultural seeds.

RADISH.

Rabanos—Radieschen—Radis.

The Radish will succeed well in any good garden soil, not over moist or too heavy. A sandy loam enriched by well-rotted manure is best. For early and late crops a warm, sheltered situation should be chosen; whilst for those sown in the heat of summer a rather shady spot must be selected. For a succession, sow every two weeks. The ground where the sowing is to be made should be deeply dug and raked fine. The seed is generally sown thinly broadcast, in beds from four to five feet wide, with one foot alleys between, the soil from the latter being used to cover the seeds, but only slightly. The surface is then raked smooth, and in light soils pressed with the back of the spade. The winter varieties should be sown in drills one foot apart, and thinned to six inches apart in the rows, and if roots of large size are required, as much as nine inches may be allowed. One ounce of seed will sow about fifty feet of drill or a bed of fifty square feet.



Early Long Scarlet.



Scarlet Olive-Shaped.

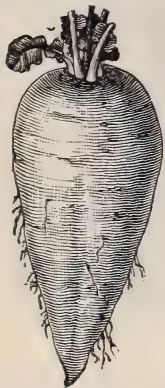


Chinese Rose.



Beckert's Chartier.

Black Spanish Winter, Long , grows to a large size, of oblong shape, quite solid, (see cut	Per oz.	Per b.
Black Spanish Winter, Round , similar to the above except in form.....	10c	.60
Beckert's Chartier , decidedly distinct in appearance from any radish in cultivation, (see cut).....	10c	.60
California Mammoth White , a winter sort introduced into California by the Chinese; 8 to 12 inches long and two inches in diameter; flesh white, firm, and of excellent flavor. (see cut).....	10c	.60
Chinese Rose Winter , considered the best kind for winter use; medium size and tender, (see cut).....	10c	.80
Early Long Scarlet Short Top , roots long, of pinkish color; flesh white, crisp, (see cut)	10c	.60
French Breakfast , a fine, early variety; olive-shaped, scarlet body with white tips, (see cut).....	10c	.60



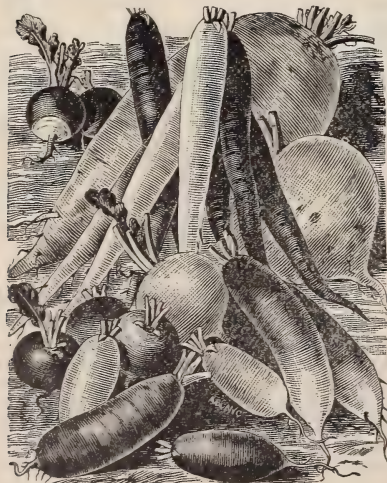
Cal. Mammoth White.



White Strasburg.



Long Black Spanish.



Mixed Radishes.



French Breakfast.



Early White Turnip.



Early Scarlet Turnip.

When in doubt, what to order, leave the selection to us.

Scarlet Olive-Shaped, oval; very early and handsome; flesh rose-colored, tender and brittle, (see cut)..... 10c .60
Scarlet Turnip, an excellent early variety, crisp and tender, (see cut)..... 10c .50
Scarlet Turnip, White Tipped, a late introduction, of excellent quality..... 10c .60
White Strasburg, one of the most valuable summer radishes in cultivation (see cut)..... 10c .60
White Turnip, similar to Scarlet Turnip; a few days later, (see cut) 10c .60
Mixed Radishes. Mixture of best sorts of radishes particularly useful for family garden, supply a nice assortment for the table, of all colors and sizes; large quantities of mixed radishes are now sold in the eastern markets, (see cut). Per oz., 10c; per lb. 50c.

RHUBARB, OR PIE PLANT.

Ruibarbo—Rhabarber—Rhubarbe.

Sow the seed early in the spring, in drills 18 inches apart, and cover one inch deep; thin the plants to six inches apart, and keep them free from weeds. The plants being one year old, should be removed to the prepared beds, and placed three feet apart each way. Do not cut until the second year, and apply a dressing of manure every fall. The most expeditious mode of obtaining a supply is to procure roots which will produce the first season. The roots will last many years if manured every fall.



Victoria.

	Per oz.	Per lb.
Monarch, or Giant , a superior variety of large size.....	15c	\$1.50
Victoria , very large, and fine for cooking; cultivated largely by market gardeners for main crop late in the season, (see cut)	15c	1.50

ROSELLA.

(Hibiscus Rosella Subdorifa.)

A tropical plant, native of India, which will succeed in this climate. It has been grown in Southern California with very satisfactory results. The seed should be sown in February, on bottom heat, and treated like the egg plant. From the fleshy calyx of the flower a beautiful preserve is made in Australia, which is like, but an improvement upon, that made from black currants. Makes also a fine flavored sauce when stewed like cranberries. The flowers are very handsome. Per pkt., 10c; per oz., \$1.50.

SALSIFY, OR VEGETABLE OYSTER.

Ostion Vegetal—Haferwurzel—Salsifis.

Select light, rich soil. Sow the seed thickly in drills, twelve inches apart, and cover one inch deep. When the plants are two or three inches high, thin out to six inches from each other in the rows; hoe often, and keep the earth loose and clean around them. The roots may be taken up and stored in moist sand to exclude the air, or left in the ground; they are boiled or stewed like parsnips, the flavor resembling the oyster. One ounce of seed will sow fifty feet of row.

	Per oz.	Per lb.
Long White	15c	\$1.50
Sandwich Island , of enormous size, very tender and delicious.....	20c	2.00

SEA-KALE.

Col. de Marino—Meerkohl—Chou de Marin.

The plant somewhat resembles Celery in appearance, and like that vegetable it needs blanching. The mid-rib of the leaf is eaten, and is cooked like asparagus. Per pkt., 10c; per oz., 25c.

SORREL.

Acedara—Sauerampfer—Oseille.

Sow in spring, in drills eighteen inches apart, in a rich soil, and keep the flower stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable. One ounce will sow 100 feet of drill.

Large Leaved French,.....Oz., 15c; lb., \$1.25

SPINACH.

Espinaca--Spinat--Epinard.



Prickly, or Fall



Round, or Summer.

For summer use sow early in spring in drills one foot apart, and thin the plants six inches from each other in the row. For early spring use, sow in August and September. Deep, rich soil, well manured, is required for Spinach. One ounce of seed will sow about fifty feet of row.

	Per oz.	Per lb.
Bloodsdale Savoy-Leaved , the leaves of this variety are large, of good substance, and much wrinkled or curled, like the Savoy Cabbage; it is a summer variety, and growing in favor.....	10c	\$0.30
Large Round Leaf Viroflay , a new variety, with very large, thick leaves.....	10c	.30
Long Standing , the valuable characteristic of this variety, is that of remaining a long time before running to seed.....	10c	.30
New Zealand , produces leaves in great abundance throughout the summer; should be transplanted three feet apart each way.....	10c	.60
Prickly, or Fall , very hardy; used for fall planting; leaves seven or eight inches long and thin in texture (see cut)	10c	.30
Round, or Summer , the variety used for early spring planting; leaves large, thick and compact; the best adapted to our climate (see cut)	10c	.30

SQUASH.

Calabacera--Kurbiss--Courge.

Light, warm soil is best adapted to the growth of the Squash. The seed should not be sown until all danger from frost is past. Plant in hills--prepared in the same manner as for Cucumbers and Melons --the Bush kinds about four feet apart, and the running varieties from six to nine, according to their nature, as some will run more than others. Plant about half a dozen seeds in each hill. The earth about the plants should be kept loose and clean from weeds until runners are well started. Cutting off the leading shoots of the running varieties is recommended as having a tendency to promote growth and early maturity of the fruit. One ounce of seed will plant from fifteen to forty hills.



Perfect Gem.



Early White Bush Scalloped.



Hubbard.



Summer Crook-Neck.

	Per oz.	Per lb.
Boston Marrow , a standard fall Squash of rich orange color; very productive and keeps well	10c	60c
Early Golden Bush Scalloped , an early variety, well flavored and productive; excellent for market	10c	60c
Early White Bush Scalloped , one of the earliest; similar shape to the yellow (see cut)	10c	60c
Hubbard , the best of all winter varieties; grows to a large size, (see cut).....	10c	50c
Long White Vegetable Marrow , an English Squash of very superior flavor (see cut)	10c	60c
Mammoth Chili , grows to immense size, often weighing over 200 lbs.; very productive;	15c	80c
Marblehead , an excellent winter Squash; good keeper, dry and sweet; the shell is much harder than the Hubbard, and light blue in color	10c	60c

Preserve this Catalogue for future reference.

	Per oz.	Per lb.
Pike's Peak or Sibley , entirely original and distinct; considered an improvement on the Hubbard.....	15c	75c
Perfect Gem , equally desirable either as a summer or a winter Squash, (see cut).....	10c	60c
Summer Crook-Neck , this is the richest summer Bush Squash; very early and productive, (see cut).....	10c	60c
Winter Crook-Neck , an old standard sort; a good keeper; considered excellent for making pies.....	10c	60c



Long White Vegetable Marrow.

TOBACCO.

Tabaco—Tabak—Tabac.

The seed may be started in hot beds, or sown in the open ground as soon as the ground is warm, in rich, dry soil; rake off the bed and sow broadcast, pressing down firmly and evenly, covering the seed very slightly; keep free from weeds, and water frequently if the weather is dry; set out when all chance of frost is past, three feet apart, in land that has been heavily manured with wood ashes if obtainable—brush burned on the ground will answer the purpose. One ounce will sow twenty-five feet square, and produce plants for one acre.

	Per oz.	Per lb.
Big Havana , a Hybrid Havana, or Cuban seed leaf; a heavy cropper, of fine texture, delightful flavor and the earliest cigar variety to mature and ripen.....	20c	\$2.00
Connecticut Seed Leaf , the largest, finest and best strain of this indispensable kind; every seed stock carefully selected.....	20c	2.00
General Grant , one of the earliest.....	20c	2.00
Harby , a Turkish variety which stands heat and drouth beyond all others, and may be topped for 25 leaves or more.....	20c	2.00

TOMATO.

Tomate—Liebesapfel—Tomate.

Sow the seed in frame or sheltered bed. When the plants are two or three inches high, thin them out and set them in pots or in another bed, to give them room and make them "stocky." When five or six inches high, if the weather be warm and settled, transplant them to open ground, selecting a rainy day, if possible; in the absence of rain, water and protect till well rooted. Set the plants four feet apart each way and support by driving two or three stakes around each plant, and encircle with as many barrel hoops; this will serve to keep the fruit off the ground. One ounce of seed will produce 3,000 plants.

The tomato requires a rather light soil to ripen early; but if handsome fruit and a plentiful crop be desired, very rich soil should be selected.



Livingston's Beauty.



Ignotum.



Livingston's Perfection.



Livingston's Favorite.



The Mikado.

Our seeds are fresh and true to name.

	Per oz.	Per lb.
Acme , very early, of delicious flavor; color glossy dark purple; ripens all over; has no core and but few seeds.....	15c	\$1.50
Canada Victor , large, smooth and productive; a splendid flavored, early variety, very hardy.....	15c	1.50
Cardinal , a beautiful Tomato, brilliant cardinal red, very glossy. Ripens evenly through, having no hard green core, like many others; in shape it is round, smooth and solid.....	15c	1.50
Cherry , flavor unsurpassed; fruit small, a wonderful cropper; best for pickling.....	20c	2.00
Conqueror , very early, smooth, productive, and of medium size.....	15c	1.50
Dwarf Champion , in this new variety we have a Tomato that is entirely distinct.....	20c	2.00
Early Richmond , extra selected; a favorite winter variety with our Los Angeles gardeners, in frostless districts.....	20c	2.00
General Grant , a well known and highly esteemed variety; flesh firm and solid; popular market variety.....	15c	1.50
Golden Trophy , identical in form and size with the Red Trophy. Color a beautiful canary yellow, slightly tinged with red; desirable for table use and preserving.....	20c	2.00
Ignotum , a large, smooth deep-red variety; said to be the earliest of the large varieties, (see cut).....	20c	2.00
Livingston's Beauty , extra early, growing in clusters of four or five, (see cut).....	15c	1.50
Livingston's Favorite , one of the most perfect-shaped Tomatoes grown, (see cut).....	15c	1.50
Livingston's Perfection , large; blood red; perfectly smooth and handsome form (see cut)	15c	1.50
Mayflower , very early and productive; large, and of splendid shape.....	15	1.50
Ponderosa, or Henderson's Four Hundred , grows to an enormous size, sometimes weighing from 2 to 3 lbs. each. Very smooth and solid.....Per pkt., 10c.	50c	4.50
Strawberry, or Ground Cherry , (<i>Alkekengi</i>), a distinct species; grows enclosed in a husk; excellent for preserves; will keep with husk all winter.....Per pkt., 10c;	35c	3.50
The Mikado , a new variety of very large size and superior quality, (see cut).....	20c	2.00
Trophy , one of the largest and best flavored sorts cultivated, fruit solid and excellent, often weighing one pound and upwards.....	15c	1.50

TURNIP.

Nabo—Ruebe—Navet.

For earliest crops sow the Early White Flat Dutch or Munich during the winter; and for summer crops sow any of the other varieties at intervals of a fortnight until June, in drills twelve inches apart; cover the seed lightly unless the season be very dry; thin out the plants to six or eight inches apart. For fall or winter use sow the Golden Ball, or Purple and White Top Strap Leaf varieties. Success in raising Turnips depends greatly on the selection of soil, and its subsequent preparation as well as the quality of seed.

GARDEN VARIETIES.

	Per oz.	Per lb.
Early Purple Top Mnnich , one of the earliest varieties (see cut).....	10c	50c
Early White Flat Dutch , white flesh, medium size, quick growth, (see cut).....	10c	50c
Early White Egg , an egg shaped variety, for spring and fall sowing; flesh firm, fine grained, mild and sweet.....	10c	50c
Golden Ball , a round, smooth, English Turnip of fine quality; skin bright yellow, good keeper.....	10c	50c
Purple Top Strap-Leaf , very productive, matures quickly; flesh white, sweet (see cut)	10c	50c
Purple Top White Globe , of decided merit, globular in shape.....	10c	50c
White Top Strap-Leaf , an excellent variety; flesh white, sweet and tender.....	10c	50c



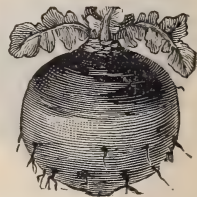
Early White Flat Dutch.



Purple Top Strap-Leaf.



Early Purple Top Munich.



Imperial Purple Top.

RUTABAGA, OR SWEDISH TURNIPS.

Extensively grown for a farm crop; also esteemed for table use; the roots are close-grained, very hard and will endure a considerable degree of cold without injury. Select, light clean soil and sow in drills two feet apart, and thin out to eight or ten inches in the row, two pounds of seeds to the acre.

FIELD VARIETIES.

	Per oz.	Per lb.
Imperial Hardy Purple Top , large, handsome roots, of fine quality (see cut).....	10c	50c
Laing's Improved Purple Top , the earliest variety; succeeds well on rich, free soil ...	10c	50c
Skirving's Purple Top , grows to a large size, of oval shape; flesh firm, solid and sweet; good keeper.....	10c	50c

Rutabaga Turnips are a valuable field crop for stock.

Culinary Roots and Plants

NOTE.—When ordered to be sent by mail, remit in addition to price, for Asparagus Roots 50c per 100; Cabbage, Cauliflowers, Celery, Sweet Potatoe and Tomatoe plants, 15c per doz., 50c per 100; Rhubarb Roots 10c each; Egg and Pepper plants 10c per doz. 40c per 100. Pot grown plants, double postage.

	Per Doz.	Per 100.	Per 1000.
Asparagus. (<i>Conover's Colossal</i> .) One year old roots, equal to two-year old Eastern grown.....		\$1.00	\$7.50
Cabbage Plants. Early Winningstadt, Henderson's Early Summer, Fottler's Early Brunswick and Premium Flat Dutch.....		40c	3.00
Cauliflower Plants. Early Erfurt, Snowball, Lenormand's Mammoth and Large Algiers.....		1.00	7.50
Chives, or Schnittlauch. For flavoring soups, salads, etc.....per clump 5c	50c		
Egg Plants. New York Improved Large Round Purple, grown in pots.....	75c	5.00	
Hop Vine Roots	50c	3.50	
Horseradish Roots, or Sets. Thrive best in low, damp land. Plant in rows two feet apart, and in the rows eighteen inches apart.....	25c	1.50	
Pepper Plants. Chili, Large Bell or Bull Nose, Sweet Mountain, etc.....	50c	3.50	
Rhubarb Roots. Linnæus and Victoria, strong roots.....each 15c	1.50	10.00	
Sweet Potatoe Plants. Yellow Nansemond and Large White.....		50c	4.00
Tomato Plants. Perfection, Beauty, Favorite, Mikado, Mayflower and Ponderosa.....	15c	1.00	

Seeds of Pot, Sweet and Medicinal Herbs.

A well assorted selection of the various kinds of Herbs should have a place in every garden. Their value in seasoning and flavoring is well known and appreciated. Some kinds are aromatic, while others are used for medicinal purposes. Care should be taken to harvest on a dry day, just before they fully blossom.



Lavender.



Rosemary.



Thyme.

	Per pkt.	Per oz.	Per lb.
Angelica, Garden. (<i>Archangelica Officinalis</i> .) Useful on account of its medicinal qualities.....	5c	35c	
Anise, (<i>Pimpinella Anisum</i> .) Seeds and leaves are both aromatic and carminative. Officinal and medicinal.....	5c	10c	75c
Balm. (<i>Melissa Officinalis</i> .) For making Balm Tea; valuable in case of fever.....	5c	50c	
Basil, Sweet. (<i>Ocimum Basilicum</i> .) Culinary herb; used for flavoring soups, etc.....	5c	25c	
Bene. (<i>Sesamum Orientale</i> .) The leaves are used for dysentery and diarrhoea.....	10c	30c	
Borage. (<i>Borago Officinalis</i> .) Used for salads; excellent for bees.....	5c	15c	
Caraway. (<i>Carum Carvi</i> .) Principally cultivated for its seeds, which are used in confectionery and medicine. The under leaves are also sometimes used for flavoring soups.....	5c	10c	30c

	Per pkt. 10c	Per oz. 75c	Per lb.
Catnip. (<i>Nepeta Cataria.</i>) Has medicinal qualities.....			
Coriander. (<i>Coriandrum Sativum.</i>) Seeds highly aromatic; much used in confectionery.....	5c	10c	25c
Cumin. (<i>Cuminum.</i>) Leaves and seeds both used for flavoring	5c	10c	30c
Dill. (<i>Anethum Graveolens.</i>) Seeds aromatic; much used to flavor pickles.....	5c	15c	\$1.00
Fennel, Sweet. (<i>Anethum Foeniculum.</i>) Used for flavoring soups and salads.....	5c	10c	1.00
Horehound. (<i>Marrubium Vulgare.</i>) Valued highly as a remedy for Coughs and Pulmonary diseases	10c	30c	
Hyssop. (<i>Hyssopus Officinalis.</i>) The leaves and flowers are dried and used medicinally.....	10c	25c	
Lavender. (<i>Lavandula Vera.</i>) A well known, popular, aromatic plant, used for distilling Lavender Water, (see cut.).....	5c	25c	
Marigold Pot. (<i>Calendula Officinalis.</i>) The flowers are used in soups	5c	25c	
Marjoram, Sweet. (<i>Origanum Marjoram.</i>) Used for seasoning, (see cut.).....	5c	25c	
Rosemary. (<i>Rosemarinus Officinalis.</i>) An aromatic herb; the leaves are used for making hair-wash, (see cut.)	10c	40c	
Rue. (<i>Ruta Graveolens.</i>) Used for medicinal purposes; also used as a remedy for croup in fowls.....	5c	25c	
Saffron. (<i>Carthamus Tinctorius.</i>) Used medicinally; and also in dyeing.....	5c	15c	
Sage. (<i>Salvia Officinalis.</i>) Used in dressing and sauces.....	5c	20c	
Savory, Summer. (<i>Satureja Hortensis.</i>) Used as a culinary herb.....	5c	15c	
Savory, Winter. (<i>Satureja Montana.</i>) Used for the same purposes as the preceding—Perennial	5c	50c	
Tansy. (<i>Tanacetum Vulgare.</i>) Good for bitters and medicinal purposes.....	5c	30c	
Thyme, Broad Leaved. (<i>Thymus Vulgaris.</i>) Used in soups, sauces and dressings, as seasoning, (see cut).....	5c	30c	
Wormwood. (<i>Artemisia Absinthium.</i>) Used for medicinal purposes.....	10c	25c	



Sweet Marjoram

Agricultural.

BEET—SUGAR VARIETIES.

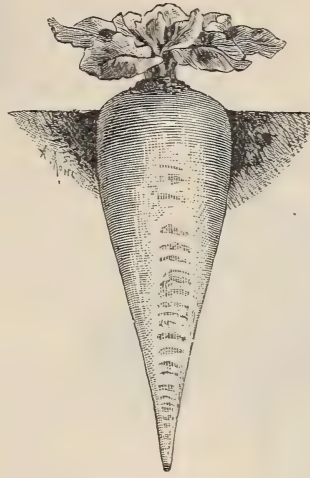
Culture. Sow in the beginning of March; first plowing and subsoiling to the depth of at least fifteen inches. The Seed should be soaked for twelve hours before sowing, and be covered at least one inch when sown. The rows should be fifteen inches apart, and the plants should be thinned to eight inches apart in the rows. Any vacancies can be filled up by transplanting. Sow none but the best selected Seed, as inferior Seed will produce inferior roots, both as to size and saccharine matter. The latest authorities recommend the sowing of from 15 to 17 lbs. per acre, thus doing away with the work of transplanting to fill up vacancies. Ten lbs. supplied at 100 lb. rates.

(If ordered by mail, ten cents per lb. will be charged additional for postage.)

	Per lb.	Per 100 lbs
KleinWanzlebener. A well known variety, richest in sucrose, and the heaviest cropper, (see cut).....	20c	\$12.50
Lane's Improved Imperial. An American variety originated in Vermont; contains a large percentage of Sugar; is a large, uniform cropper, and is highly esteemed both for Sugar purposes or for feeding Stock. Has yielded 40 tons per acre, (see cut)..	20c	12.00
Vilmorin's Improved White Sugar. A much improved variety of the White Silesian, extensively cultivated as a Sugar producing Beet. Very valuable, (see cut).....	20c	12.00
White Munich. Large, good cropper, symmetrical, and rich in saccharine matter, (see cut).....	20c	11.00
White Silesian. Grows to a large size. Is very useful for Sugar purposes or stock feeding. Very sweet and tender.....	20c	11.00



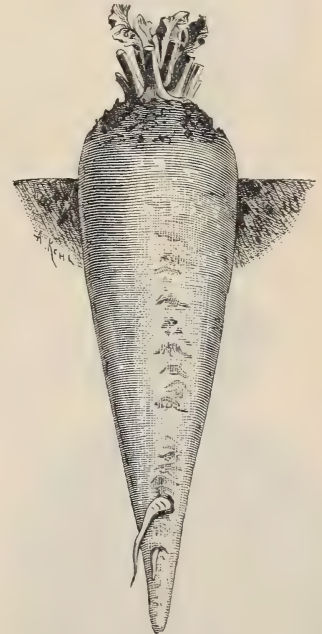
Vilmorin's Improved White Sugar.



White, Munich.



Klein Wanzlebener Sugar Beet.



Lane's Improved Imperial.

MANGEL WURZEL.

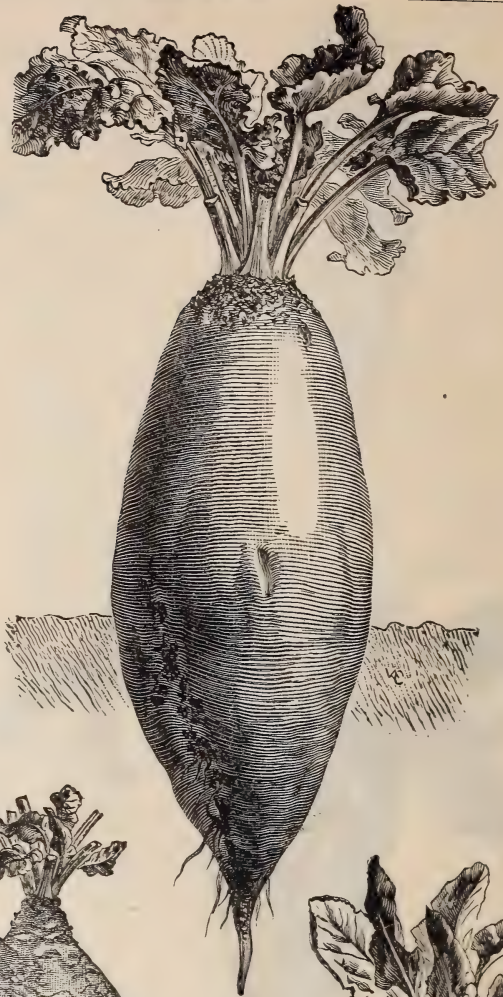
Cultivated extensively for stock. Select a deep rich loam and manure well. Sow any time from the middle of November until April, in drills two and a half to three feet apart, and thin to nine inches in the row. The long varieties prefer a light sandy loam. The round varieties are the best for planting on stiff soil. Sow six pounds to the acre. (If ordered by mail, 10c per lb. will be charged additional for postage.)

	Per lb.	Per 100 lbs.
Champion Yellow Intermediate , very large, handsome and productive.....	20c	\$12.00
Golden Tankard , bright, yellow, handsome and sweet; a large cropper, and highly esteemed by dairymen, (see cut).....	20c	12.00
Golden Giant , the largest of the yellow varieties, of oval shape, growing half above ground, an enormous cropper, yielding from forty to sixty tons per acre (see cut)	20c	13.00
Mammoth Long Red , a standard variety; grows partly above ground, to an immense size, (see cut).....	20c	12.00

“Mangels, Carrots and Sugar Beets. How to grow them. (Gregory.) Mailed free, 35c.



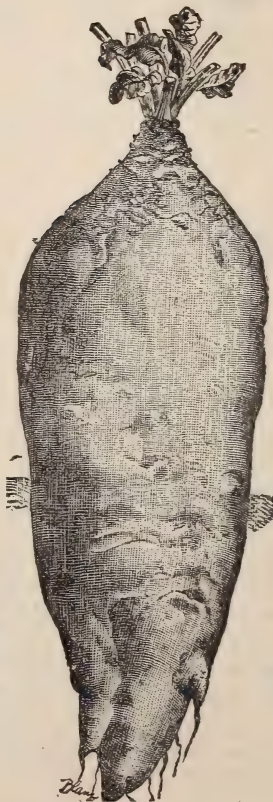
Yellow Globe Mangel.



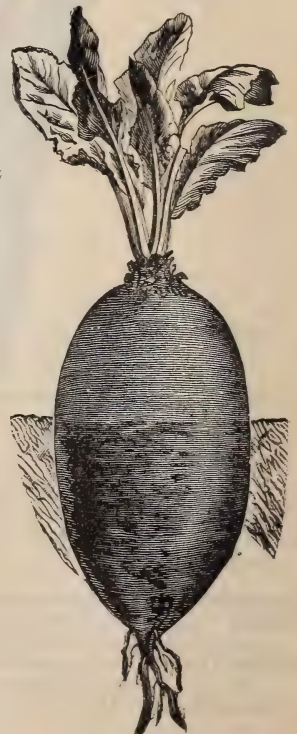
Golden Giant Mangel.



Golden Tankard Mangel.



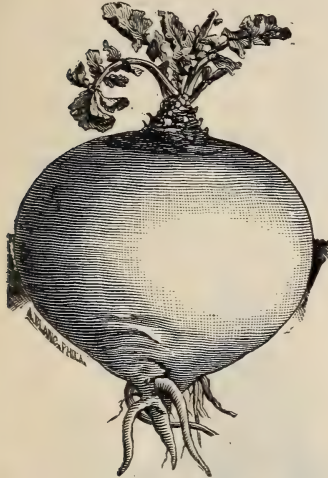
Mammoth Long Red Mangel.



Yellow Ovoid Mangel.

"American Cattle. Their History, Breeding, and Management." Mailed free, \$2.65.

	Per lb.	Per 100 lbs.
Norbiton Giant Red , of immense size; a favorite English variety.....	20c	12.00
Warden's Orange Globe , an improvement on Yellow Globe, good keeper, and heavy cropper, (see cut).....	20c	12.00
Yellow Ovoid , a distinct variety; very productive, (see cut).....	20c	12.00
Yellow Globe , a standard kind; a splendid keeper, the easiest to harvest from stiff soil, (see cut)	20c	12.00

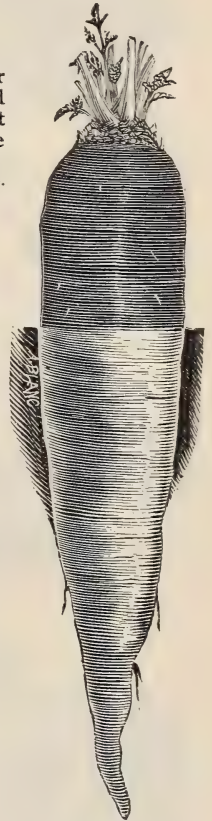


Orange Globe Mangel.

CARROT.

A light, friable, sandy loam is best suited for Carrots. Apply plenty of fine, well decomposed manure, and cultivate thoroughly and often. It is important that the soil should be perfectly free from stones.

	Per oz.	Per lb.
Improved Long Orange , grows to a large size, averaging a foot in length, with a diameter of three inches at the top. Good for table purposes or for stock	10c	50c
Large White Belgian , very productive; grown for stock feeding exclusively; grows one-third out of the ground; roots white, green above ground, (see cut)..	10c	40c
Large Yellow Belgian , fine for stock; when young may also be used for the table; good for winter and early spring use, being an excellent keeper.....	10c	50c



Large White Belgian Carrot.

FIELD PUMPKIN.

(If ordered by mail, 10 cents per pound additional, will be charged for postage.)

	Per lb.
California Field , selected; very large.....	10c
Sugar Stock , dry and sweet, very fattening.....	15c

Price per 100 lbs. on application.

Seed Grain.

Express or freight charges always to be paid by the purchaser. If wanted to be sent by mail, postage must be added at the rate of ten cents per pound. As market is apt to fluctuate, quotations on 100 lb. or ton lots of the following varieties of seeds given on application. 10 lbs charged at 100 lb. rate.

BARLEY.

Common, Beardless, Bald or Russian, and Chevalier,—prices on application.

BUCK WHEAT.

Common. Buckwheat should be sown broadcast at the rate of about 45 pounds to the acre. The average yield is from 25 to 30 bushels per acre. It should be threshed as soon as dry, on the ground or barn floor. If allowed to stand in mass it quickly gathers moisture. Excellent food for poultry and also useful for bees. Per lb., 5c; 100 lbs., \$2.50.



New Japanese. (See cut). A distinct variety, with grains nearly twice as large as those of the common kind. Per lb., 10c; 100 lbs., \$5.00.

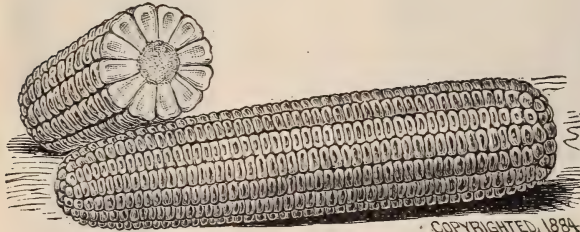
CORN—Eastern grown Seed.

Champion White pearl, (100 days), (see cut). Seed of selected ears, shelled, per lb., 10c; 100 lbs. \$7.50.

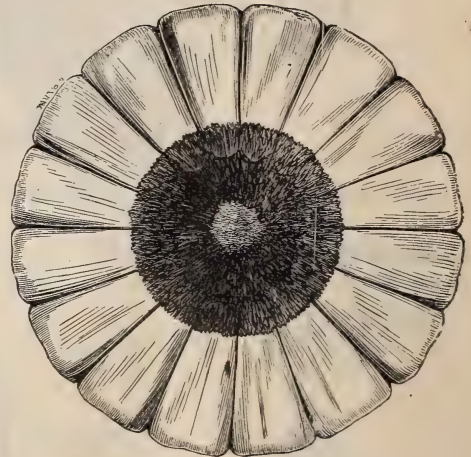
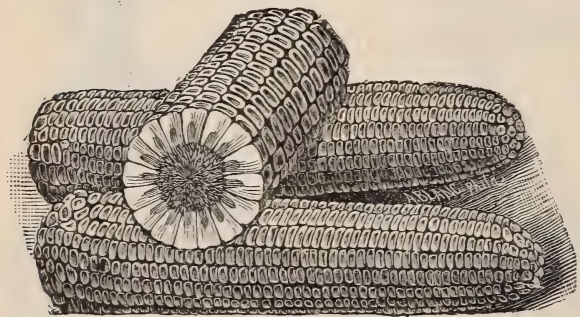
Golden Beauty, (100 days), (see cut). Seed of selected ears, shelled, per lb., 10c; 100 lbs., \$7.50.

Hickory King, (110 days), (see cut). Distinct from all other varieties, having the largest grain with the smallest cob ever introduced in a white corn. Seed of selected ears, shelled, per lb., 10c; 100 lbs., \$8.00.

Improved Leaming, (90 days). One of the earliest yellow Dent Corns in cultivation. Seed of selected ears, shelled, per lb., 10c; 100 lbs., \$8.00.



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CALIFORNIA GROWN.

Large Yellow, Small Yellow, Large White, Small White—Prices quoted on application.

POP CORN.

White Rice, White Flint, Eight Rowed, and Yellow, per lb., 10c; 100 lbs., prices on application.

OATS.

Heavy White Oregon, Rustproof Red—Prices on application.

RYE.

Winter—Price on application.

WHEAT.

Australian White, Russian White, Sonora White—Prices quoted upon application.



Clover and Grass Seeds.

For Lawns, Meadows, and Permanent Pastures,

Express or freight Charges always to be paid by the purchaser. If wanted to be sent by mail, postage must be added at the rate of ten cents per pound. As market is apt to fluctuate, quotations on 100 lb. lots of the following varieties of seeds given on application, and samples mailed free. 10 lbs charged at 100 lb. rate.

CLOVER SEEDS.



Crimson. or Scarlet clover.

Italian Crimson, or Scarlet Clover. (*Trifolium incarnatum*). (See cut.) This valuable forage plant; long known and appreciated in Europe, is now rapidly coming to the front in this country. As a "stolen crop" it is unsurpassed, for it can be sown in the Fall and cut in the Spring in time to plant another crop on the same ground. It is hardy, being capable of withstanding from 15 to 20 degrees of frost without injury. This plant promises to become an important factor in the agriculture of the future. The yield of green fodder ranges from 10 to 13 tons to the acre. In addition to its valuable qualities as a forage plant it is no less desirable as a green manure, absorbing, as it does, large quantities of nitrogen from the atmosphere, which, in its capacity as a fertilizer, it transfers to the soil. Sow 12 lbs. to the acre. Per lb. 15c; 100 lbs., \$8.50.

Alsike, or Swedish. (*Trifolium Hybridum*). A hybrid between the Red and White Clovers, but of much stronger growth than the latter, and will yield a heavy crop on any soil. Stands drouth well, yields a large return in Hay, and is unsurpassed for bees. Sow early in spring. Per lb., 20c.

Alfalfa, or Lucerne. (*Medicago Sativa*). This valuable species is too well known in California to need description. It sends its roots to a great depth, and produces a prodigious amount of green food for cattle. In fact it has proven itself the best of all the Clovers grown in California. It will also answer for soiling in suitable situations. Should be cut as soon as it begins to flower or even earlier, as it is apt, if cut later, to become coarse and hard with woody fibre, and is less relished by cattle. Per lb., 15c; 100 lbs., market price.

Bokhara, or Sweet Clover. (*Melilotus Alba*). Very valuable for soiling. It grows from four to six feet high, and may be cut three times or more if sown in good soil. Should be cut before flowering. Very good for bees. Per lb., 40c.

Burr Clover. (*Medicago Maculata*). California Burr Clover, Spotted Medick. An excellent fodder plant for the south. The stems are creeping and soon spread over a large area. Flourishes in dry soils, and is not affected by the drouth of Southern winters. About 12 lbs. of the burrs should be sown to the acre, and on good soil, lightly covered, will soon spread over the entire surface. Per lb., 15c; 100 lbs., market price.

Esparsette, or Sainfoin. (*Hedysarum Onobrachyium*.) Cattle are very fond of this plant, both green and made into hay. It is a perennial, from two to three feet in height, with a broad, flesh colored flower, and yields two crops a year. We should advise the sowing of about 50 lbs. of Barley with 40 lbs. of Esparsette to the acre, as our experience is that without the barley for shade the crop is not always reliable in Southern California. Per lb., 20c 100 lbs., \$12.50.

Crimson or German Clover is the first fodder plant for spring cutting.

- Japan Clover, (*Lespedeza Striata*.)** This variety, originally introduced from Japan, has now naturalized itself in nearly all the Southern States. It will grow on the plains, and up to an altitude of 4,000 feet, stands drought well, and living after most other herbage is dead. For milch cows it is very beneficial, largely increasing the flow of milk. Sow in spring, 12 lbs. per acre. Per lb., 25c.
- Kidney Vetch, or Sand Clover, (*Anthyllis Vulneraria*.)** A deep-rooted plant, valuable for dry sands and inferior soils, upon which Esparsette or Clover will not thrive. Eaten with avidity by sheep cattle and horses. Produces abundantly of hay and seed. Sow 20 lbs. of seed per acre. Per lb., 50c; 100 lbs., \$30.00
- Mammoth Red, or Cow Grass. (*Trifolium Pratense Perenne*.)** Quite distinct from the common Red Clover, having a shrubby stem, and a longer and more penetrating root, thus enabling it to withstand drouth well. Grows five to six feet high, and is much used as a green manure. Sow 20 lbs. per acre alone, or 5 lbs. when mixed with other grasses. Per lb., 20c.
- Small Red. (*Trifolium Pratense*.)** A most valuable variety for fodder, also excellent for plowing under for manure. Will succeed on any soil of moderate fertility; and of average moisture. Another great advantage in favor of the cultivation of this variety consists in its rapid growth. But a few months elapse from the sowing of the seed before it yields, ordinarily, an abundant and nutritious crop, relished by cattle of all kinds. Per lb., 20c.
- Trifol, or Hop Vine Clover. (*Medicago Lupulina*.)** Very distinct, bearing yellow flowers, and of erect and branching growth. Yields a large hay crop. Useful in mixtures with other Clovers and Grasses, when 2 lbs. is sufficient for an acre. When sown alone for hay, 20 lbs. should be used. Per lb., 25c.
- White Dutch, (*Trifolium Repens*.)** An excellent pasturage plant. Its flowers are also a favorite resort for the honey bee. It succeeds on all rich, clayey lands, if not too wet. It is the best variety of Clover to mix with grasses for lawns. Sow early in spring. Per lb., 30c.

GRASS SEEDS.

The following are the most valuable Grasses for agricultural and other purposes.

The prices of some varieties may change as the season advances.

- Bermuda, or Couch Grass. (*Cynodon Dactylon*.)** This Grass, the "Doob" Grass of India, is one of the most valuable for hot countries, suitable either for Lawn or Pasture, and very valuable for fixing loose soils. For eight months in the year it is beautifully green; in cold weather it turns brown. The seed will not germinate in cold weather. April, May and September are the best months in which to sow. Sow 10 lbs. to the acre. Per lb. \$1.00.
- Bromus Inermis. (*Awnless or Hungarian Brome Grass*.)** A valuable forage plant for light; dry soils; suitable for cutting and feeding in a green state; also for pasture or curing into hay. Very productive. Sow 35 lbs. per acre. 30c per lb.; \$25.00 per 100 lbs.
- Crested Dog's-Tail Grass. (*Cynosurus Cristatus*.)** A valuable Grass for sheep pastures, on dry, hard soil and hills. It also belongs to the family of lawn grasses. 25 lbs. to the acre. Per lb., 40c.
- Italian Rye Grass. (*Lolium Italicum*.)** A valuable annual variety, thriving well in any soil, and yielding early and abundant crops. Especially valuable for pasture in Southern California. Although strictly speaking it is an annual, if cut before going to seed may be considered perennial in this climate. Claimed to stand any amount of forcing by irrigation. Sow 30 lbs. to the acre. Per lb., 15c; 100 lbs., \$12.00.



Perennial Rye Grass.



Red Top.

- Kentucky Blue, or Smooth Meadow Grass.** (*Poa Pratensis.*) Very valuable for California, as it thrives in moderately dry soils and withstands the hot summers. Does not become thoroughly established until the third year. Also a valuable lawn grass. For lawns sow 150 lbs per acre; for pastures 50 lbs. is sufficient. We offer none but fancy cleaned seed. Per lb., 25c; 5 lbs. for \$1.00; per 100 lbs. at market price.
- Meadow Fescue, or English Blue Grass,** (*Festuca Pratensis.*) One of the earliest, most nutritious and productive of the Fescues. Attains its full productiveness the second year. Sow 40 lbs. to the acre. Per lb., 25c; 100 lbs., \$15.00.
- Mesquite, Meadow Soft Grass, or Yorkshire Fog.** (*Holcus Lanatus.*) This grass will succeed on low swampy ground, or on dry soils, and in general in situations where other grasses would perish. Per lb., 15c; 100 lbs., \$10.00.
- Natal Red Grass.** This variety thrives well in the hot, dry climates of Australia and South Africa. It is particularly adapted for dry, sandy soils; stands repeated cropping, and is much relished by stock of all kinds. In packets only. Per pkt., 10c
- Orchard Grass, or Cocksfoot.** (*Dactylis Glomerata.*) A very valuable grass, all kinds of stock being greedily fond of it. Will bear cropping very well. When established will withstand both floods and drouth. Sow 40 lbs. to the acre. Per lb. 20c; per 100 lbs., \$15.00.
- Perennial Rye Grass.** (*Lolium Perenne.*) (See cut.) The merits of this grass are becoming more recognized every year. It adapts itself to almost any soil, germinates freely, and seeds abundantly. Of upright habit, bearing abundance of nutritious foliage, it is much relished by stock, and its roots being fibrous and penetrating, give it a permanency not possessed by many other species. Sow 60 lbs. per acre. Per lb., 15c; 100 lbs., \$9.00.
- Red Top.** (*Agrostis Vulgaris.*) (See cut.) A valuable permanent Grass in mixtures for either pastures or lawns, standing heat well and growing in almost any soil. Ripens later than almost any other Grass. Sow 30 lbs. to the acre. Fancy cleaned seed, per lb., 25c; 100 lbs., \$20.00. Fair seed, per lb., 15c; 100 lbs., \$12.00.
- Sweet Vernal Grass** (*Anthoxanthum Odoratum.*) Useful mixed with other grasses, on account of its excellent quality and early growth. It emits an agreeable odor when cut for hay, and all kinds of stock eat it greedily. Sow 10 lbs. per acre in mixture with other sorts. Per lb., 60c.
- Timothy, or Herd's Grass.** (*Phleum Pratense.*) This grass thrives best on moist soil, or rich, wheat-bearing alluvial lands. Should be cut when seeds are ripe, as the nutritive value of the hay will be twice as great as when cut in the flower. On account of its first yielding an abundant hay crop and then a nutritious aftermath, it is particularly valuable as pasture grass. Sow 20 lbs. to the acre. Per lb., 10c; 100 lbs., \$7.00.
- Yellow Oat Grass.** (*Avena Flavescens.*) Desirable in mixture with other varieties, for dry soils. Per lb. 80c.
- Our Own Special Mixture of Best Grasses and Clovers,** in the most suitable proportions, especially suited for Southern California dry soils. Sow 50 lbs. to the acre. Per lb., 30c; 100 lbs., \$20.00.
- For Lawn Grass and Remarks on The Formation of Lawns,** see separate page.

Fodder Plants.

Express or Freight charges always to be paid by the purchaser. If wanted to be sent by mail, postage must be added at the rate of ten cents per pound. As market is apt to fluctuate, quotations on 100 lb. lots of the following varieties of seeds given on application. 10 lbs. charged at 100 lb. rate.

Alfalaria. (*Erodium Cicutarium.*) Commonly called California Clover, Crane's Bill or Wild Geranium, as it belongs to the same family. The seed is very scarce and hard to procure, owing to the difficulty in gathering free from weeds. As to quality it is one of the most nutritious of grasses; cattle, sheep, horses and hogs alike prefer it to any other natural product of the plains. It makes the sweetest milk and butter, and the best meat of any of the natural fodder plants of this State. When nearly at maturity it is very fattening, and may be considered a strong, safe feed for grazing animals. We heartily recommend it for use on the large stock grazing ranges of Arizona and New Mexico. Sow 20 lbs. per acre. Per lb. 75c.; special prices given on large quantities.

Australian Salt Bush. (*Atriplex Semibaccatum.*) (See cut.) This forage plant which was introduced a few years ago from Australia, has already been grown here with the very best results, and we are continually hearing farmers speak of it in the highest terms, and the fact that a great many intend planting it very extensively this season speaks well for it.

The plants have a diffuse habit of growth, each one when fully developed covering an area 3 or 4 feet in diameter. It is much relished by stock, and supplies the salt so necessary to their well being. Its greatest recommendation, however, in the estimation of many farmers, is the fact that *it will thrive better on alkali land than on any other.* We are positively assured of the truth of this statement by farmers who have tried the experiment. We have seen specimens raised on alkali land, and cannot imagine anything more healthy looking or abundant. It is proved by analysis to be very nutritious, and contains, when dried, from 8 to 10 per cent. of salty matter. The yield is about twenty tons of green fodder per acre, which will make five tons of hay.

The plant is perennial; if intended for a grazing pasture, it is better not to cut it the first year, but let the seed fall and thus form a sod. Prepare the land by plowing and harrowing as for other crops. The seed may be sown in beds or boxes and transplanted to from 8 to 12 feet apart, but it is better to sow it where it is to remain, either thinly broadcast or in hills, taking care in all cases to cover the seed VERY LIGHTLY. Use one pound of seed to the acre if sown broadcast or four ounces if transplanted. In cutting the fodder be careful not to injure the crowns of the plants. Per package, 10c; Per ounce, 40c; Per pound, \$4.00.



Australian Salt Bush.



Hungarian Millet.

MILLETS.

- French Round White, Imported.** A very choice variety of Millet with large, round, pearly white seeds, used by the French for making into bread, generally sold in this country for feeding valuable foreign birds. Per lb., 15c; 100 lbs., \$12.00.
- German, or Golden Millet.** This variety is not so early as the Common Millet, but yields a much larger crop. Will grow from three to five feet in height; the heads are closely condensed and the spikes very numerous. Seeds round, and golden yellow in color. It will yield two crops a season. Has given great satisfaction wherever grown. Per lb., 10c; 100 lbs., \$4.50.
- Hungarian (Grass) Millet.** (*Panicum Germanicum*.) This annual forage plant is a Millet, and is one of the most valuable for a soiling crop, as it will grow in any ordinary soil, and will withstand the most severe droughts. It may be sown in this latitude middle of June. As a green crop for plowing in, it is very fructifying, (see cut.) Per lb., 10c; 100 lbs., \$4.50.
- Italian Millet.** (*Setaria Italica*.) This variety grows much larger than Hungarian Grass, and produces a heavier crop; not quite so early; heads nodding, four to six inches long, yellowish; seeds oval, slightly flattened, yellow. Per lb., 10c; 100 lbs., \$7.00.
- Common Millet.** (*Panicum Miliaceum*.) Very early; height two to three feet; foliage broad and very abundant; heads open, branching panicles; seeds glossy, oval, somewhat flattened. Per lb., 10c; 100 lbs., \$4.00. *The foregoing Millets should all be cut while in bloom.*
- Pearl, or Egyptian Millet.** (*Penicillaria Spicata*.) This is quite distinct from all other species, and is without doubt destined to take a place in the front rank of vegetable forage plants. Sown in light, sandy soil, the plants at first appear feeble, resembling Broom Corn; but when a few inches above ground they begin to tiller, and new shoots appear very rapidly from the original root. When cultivated for fodder the seed should be dropped in drills and given plenty of room, on account of the peculiar habit of tillering. The fodder is in the best condition for cutting and curing when the stalks are five to six feet high. Per lb., 30c; 10 lbs., \$2.50.
- Evergreen Millet, or Johnson Grass.** (*Sorghum Halepense*.) A perennial with fleshy underground stems, about the size of the little finger. These are very tender, and are much liked by hogs. They literally fill the ground near the surface, and every joint will develop a bud. On good ground, the stems attain a height of five to ten feet, growing about as thick as they can stand on the ground. It likes dry, hot weather, and will grow luxuriantly where it is too hot and dry for most other grasses. Sow early in the spring, at the rate of thirty pounds of seed per acre. The seed should not be sown until the weather becomes moderately warm. Per lb., 10c; 100 lbs., \$7.50.

FIELD PEAS.

- These are sown for marketing dry, for split Peas, for fodder or for stock, and for soiling. Plant at the rate of 150 lbs. to the acre broadcast, or in drills at the rate of 80 lbs. per acre. Sown at the rate of 100 lbs. to the acre, with an equal quantity of oats, they are cut and cured with oats either as hay or to be threshed; when both grains are bound together.
- Black-eyed Marrowfat.** Very hardy and prolific. Good for either soiling or fodder. Per lb., 10c; per 100 lbs., \$4.00.
- Blue Prussian.** The boiling Pea of Commerce. Per lb., 10c; 100 lbs., \$4.00.
- Southern Cow Pea, Black Eye.** This is not exactly a Pea, but more properly belongs to the Bean family. The pods may be harvested for the grain, and the plants plowed under to fertilize the soil. The seed or grain is ground and used for cattle fodder; the stalks and leaves also make excellent fodder, fed green. Poor, sandy land, may be greatly improved by plowing under a crop of Cow Peas, and thus made into fertile loam. Plant in a thoroughly pulverized soil. If grown for fodder or the seed, plant three and a half feet apart and cultivate thoroughly. The seeds must not be sown until the ground has become thoroughly warm. Per lb., 10c; 100 lbs., \$5.00.

Australian Salt Bush is the coming fodder plant for California Alkali Lands.

Miscellaneous Fodder Plants.

(If ordered to be sent by mail, 10 cents per pound will be charged additional for postage.)



Jerusalem Corn. (See cut.) Lately introduced from Palestine, and will stand drought better than any of the non-saccharine Sorghums. The most valuable forage plant ever offered in in this climate. It has yielded five cuttings during the season. Height about five feet, and when matured, the grain is an excellent chicken food. Sow four pounds to the acre. Per lb., 10c; 100 lbs., \$5.00.

Kaffir Corn, or Imphi. Introduced from South Africa. This plant is low, stocky and perfectly erect. It does not tiller, but branches from the top joints. The whole stalk, as well as the leaves, cures into excellent fodder, and is good for green feed at all stages of its growth. When the grain turns white, clip the heads, and other heads will come. If required for fodder, sow in the spring, either broadcast or in drills, three feet apart at the rate of 10 lbs. per acre. If required for grain, sow 4 lbs. per acre. White, Red, and Black. Per lb., 10c; 100 lbs., \$5.00.

Brown Dhoura, or Egyptian Rice Corn. It is much sweeter than corn stalks, and cattle, horses and hogs will eat it ravenously. The seed is excellent for fowls. It stands firm against the highest wind, roots deep, and will endure without injury a drought, that sometimes ruins corn. Culture same as corn. Sow five pounds to the acre. Per lb., 5c; 100 lbs., \$3.00.

White Dhoura, or Egyptian Rice Corn. The yield of grain is very great, and cooked when the kernels are not fully ripe, like green corn, it has the flavor of chestnuts; or after fully ripe, cooked like rice, or ground into fine flour or meal, and used for baking. A favorite variety with poultry raisers. Per lb., 5c; 100 lbs., \$3.00.

Large African Millet. A variety growing stalks eight to ten feet high, and yielding heads of grain twelve to fourteen inches long, weighing six ounces to half a pound when fully ripe. If the whole stalk is cut down and cured when the seeds are in the dough state, it makes excellent forage, easy to cure, keeps well in out-door shocks, and much liked by stock in the winter. If cut in the green state, it makes excellent green feed, and the shoots that spring at once from the root make a second crop of forage. It bears in dry weather and gives a crop where corn would wholly fail. Plant in early spring, in three-foot rows, leaving one to two plants every twelve inches in the row, and cultivate as corn. This variety will yield a heavy crop of forage. Per lb., 10c; 100 lbs., \$6.00.

White Milo Maize, or Branching Dhoura. Valuable as a forage plant and for its grain, having great capacity to stand drought. It can be cut and fed at any stage, or cured when heading out, for fodder. It bears grain in erect, full heads, and is almost equal to corn for feeding all sorts of stock; also makes excellent meal. It requires all summer to mature seed. Plant in April, three to five seeds in a hill, eighteen inches apart, four foot rows, and thin to two plants and cultivate as corn. It shoots out greatly and makes a great amount of foliage. Three to five pounds per acre. Can be cut for green feed several times a season. Average yield of seed about forty bushels per acre. Per lb., 10c; 100 lbs. \$6.00.

Yellow Milo Maize, or Yellow Branching Dhoura. Similar to the white as above described but of larger heads. Per lb., 10c; 100 lbs., \$6.00.

Sorghum, or Chinese Sugar Cane. (*Sorghum Saccharatum.*) **Early Amber.**—The earliest and most productive variety. Its saccharine matter is of first quality, fine and rich; it grows to the height of from ten to twelve feet; makes sugar or syrup equal to any in the market. One of our best green fodder plants, producing from two to three cuttings during the summer. The seed is relished by all kinds of stock. Sow six pounds in drills, and twelve pounds broadcast to the acre. Per lb., 10c; 100 lbs., \$4.00.

Sorghum, Early Orange. A well-known variety, well adapted for the South; it is from eight to ten days later than the Early Amber; produces syrup of excellent quality. Per lb., 10c; 100 lbs., \$5.00.

Sorghum, Red Top, or Honduras. Attains a higher growth and contains more saccharine matter than the other varieties. Per lb., 10c; 100 lbs., \$5.00.

Lathyrus Sylvestris Wagnerii. (Flat Wood Pea.) Claimed to be the most profitable fodder plant ever grown. It is twice as nutritious as Alfafa and of equal value with oil cake for feeding purposes. Perennial, lasting over fifty years; the roots penetrating into the sub-soil from ten to eighteen feet. Has proved to be pre-eminently the plant for droughty, and barren soils. Sow in spring in rows and at the depth of one inch. With the pea sow a few grains of barley to indicate the position of the rows, as it will be necessary to hoe the ground before the Lathyrus appears above it. In the following spring transplant to one foot apart each way. 30c per oz; \$3.00 per lb.

Lupins, Yellow. One of the best plants for soiling, succeeding well in the poorest soil. Many lands that were formerly poor, have had their value greatly enhanced by plowing in this Lupin as a manure. Per lb., 15c; 100 lbs., \$12.00.

Rape, Dwarf Essex. A valuable fodder plant for sheep, yields an abundant crop and is very fattening; contains about nine per cent. of Carbo-hydrates, two per cent. Albumen and some fat. It is also exceedingly useful as a green manure; as soon as large enough it may be ploughed in or a flock of sheep may be allowed to graze on it for a few days before ploughing. For fodder, sow from 8 to 10 lbs. per acre; for soiling, sow from 15 to 20 lbs. per acre. Per lb., 15c; 100 lbs., \$10.00.

Seradella. (*Ornithopus Sativus.*) A valuable forage plant, admitting of two cuttings in one season, and succeeding well in dry, sandy soil. Excellent for sheep.....Per lb, 25c.; 100 lbs. \$15.00.



Spurry.

Spurry. (*Spergula Arvensis.*) (See cut.) Small annual plant, succeeding best in sandy soil. It can be used in a green state, or for hay. Butter made from the milk of cows fed on this is considered of a superior quality in Belgium and Holland. Should be sown early in spring, fifteen pounds to the acre. Per lb., 20c; 100 lbs., \$15.00.

Sweet Corn. For fodder, ensilage, or soiling. Per lb., 5c; 100 lbs., \$3.00.

Tares, or Vetches. (*Vicia Sativa.*) A most valuable, forage plant. Also excellent as a green manure. Sow in early spring, with oats, barley or rye, which help to support it, and greatly add to its productiveness. When sown in conjunction with either of the above, 30 lbs. is sufficient for an acre; if alone 100 lbs. is required. Per lb, 10c; 100 lbs., \$9.00.

Teosinte. (*Reana Luxurians.*) Recommended as the most prolific forage plant yet introduced. In appearance somewhat resembles corn, but the leaves are much longer and broader. The stalk, containing much saccharine matter, is very nutritious. It can be cut several times during the season, yielding enormously. One seed will sometimes produce twenty to sixty stalks or shoots. Should not be planted until the soil is perfectly warm in spring. Requires about four pounds of seed per acre. Plant in drills three feet apart, and two to three seeds every twelve inches in drill. Per oz., 20c; 1b., \$2.00.

Jerusalem Artichokes. Well enough known in most localities. It is a tuberous rooted sunflower, and is said to be capable of producing 1,500 bushels of tubers to the acre. Hogs thrive when fed on Artichokes, which are not only food, but are said to supply sufficient water to allay thirst. Some farmers cure the tops for hay, (see cut.)

Common, and Red Brazilian, per 100 lbs., \$3.50; larger quantities, price on application.



Jerusalem Artichoke.

Spurry is first-rate for milch cows.

Sundry Seeds of Economic Plants, Etc.

Express or Freight Charges always to be paid by the purchaser. If wanted to be sent by mail, postage must be added at the rate of ten cents per pound. As market is apt to fluctuate, quotations on 100 lb. lots of the following varieties of seeds not given will be sent on application. 10 lbs. charged at 100 lb. rate.

Beans. COMMON ENGLISH HORSE BEANS. Per lb., 10c; 100 lbs., \$400.

Beans, Soy. (*Soja hispida*.) Used in Soy Sauce; also as a fodder plant. Per oz., 10c; lb., \$1.00.

Broom Corn. IMPROVED EVERGREEN.—This variety is more cultivated than any other, on account of the color and quality of its brush, which is of good length, fine and straight, and always green; it brings the highest market price; grows about seven feet high. Per lb., 10c; 100 lbs., \$5.00.

Broom Corn. LARGE CALIFORNIA GOLDEN.—One of the most popular kinds for making brooms; it has the advantage of not requiring to be bent down until ready to cut, as the brush has a leaf or sheath around its base, which keeps it from crooking or bending over; grows about twelve feet high, brush long and very straight, of a green color, tipped with red when ripe. Per lb., 10c; 100 lbs., \$5.00.

Broom Corn. DWARF.—This variety grows about four feet high, extra fine for making brushes or whisks. Sow twelve pounds of Broom Corn Seed of the above varieties to the acre. Per lb., 10c; 100 lbs., \$6.00.

Broom, Scotch. (*Genista Scoparia*.) The young growth of this Shrub is chiefly valuable as food for sheep and other animals in winter. Coarse brooms are also made from it. Per oz., 10c; lb., 50c.

Caper Tree. (*Capparis Spinosa*.) The undeveloped flower buds are the true Capers of Commerce. Flowers bluish, very handsome. Per pkt., 25c.

Caterpillars. (*Astragalus Var.*) A curious plant, interesting from the fact that the Seed Pods resemble living Caterpillars. Much fun is caused by mixing them in salads. Per pkt., 10c.

Cotton. SEA ISLAND.—Best variety. Per oz., 10c; lb., 25c.

Cotton. TENN. UPLAND.—Sow 25 lbs. to the acre. Per oz., 10c; lb., 25c.

Fenugreek. (*Trigonella Fenum Græcum*.) An annual, very fragrant. The seed is often used to give temporary fire and vigor to horses; also given to cattle while fattening, causing them to drink and digest their food; also useful as a green manure for plowing under. Per oz., 10c; lb., 60c.

Flax, or Linseed. Best Riga. Per lb., 10c.

Furze, or Gorse. (*Ulex Europæus*.) Sheep and cattle browse on the young growth of this plant, with much relish. Also valuable for hedges and fences. Per oz., 25c; lb., \$2.50.

Garvanzas, or Chick Peas. Largely used for soup. Per lb., 10c.

Hop Vine (Seed.) (*Humulus Lupulus*.) Well known. Per pkt., 25c; per oz., \$1.50.

Jute. (*Corchorus Textilis*.) A textile plant, the fibres of which are used for making coarse sacks and cloth. Sow in drills eight inches apart, four pounds to the acre. It will outgrow all weeds. May also be sown broadcast; six pounds per acre. Per oz., 15c; per lb., 75c.

Lentils. (*Ervum Lens*.) Best Imported. Succeed best in dry, sandy soil. A leguminous annual, the seeds of which are valuable for pigeons, and are also largely used for soups. Per lb., 15c.



Mammoth Sunflower.

transferring it to a bed, screened from the sun. When the plants are four inches high, transplant to a field, in rows four feet apart each way; and when the plants are three feet high, turn them over and peg to the ground, after which cover them with earth, and they will start in every direction, completely covering the field in a short time. Per oz., 75c; lb., \$9.00.

Scurvy Grass. (*Cochlearia Officinalis*.) Used in salads same as Cress. A good antiscorbutic. Per oz., 25c.

Liquorice. (*Glycyrrhiza Glabra*.) In pods; a perennial plant, the roots of which furnish the Liquorice of commerce. Per oz., 30c; lb., \$3.00.

Peanut, The peanut thrives and produces best on a light, sandy, tolerably fertile soil. They may be planted from March to May in the pod, or shelled, two in a hill; it is best to drop about four in a hill on the level ground, the rows being laid off three and a half feet wide, and the hills two feet asunder; cover them two or three inches. When they come up, thin them to two in a hill. They will produce from 25 to 75 bushels per acre, according to soil and culture. Virginian, per lb., 15c; 100 lbs., market price. California grown, per 100 lbs., market price.

Poppy. OPIUM. The seed furnishes about thirty-five per cent. of an agreeable sweet oil, good for eating, painting and illuminating. May be sown in spring, either broadcast or in drills, covering with but little earth. Also cultivated for opium. Per oz., 20c; lb., \$1.00.

Pyrethrum Cineraræfolium. The plant from which is made the Persian Insect Powder in Europe, or "Buhach" as made in California. Per pkt., 25c; per oz., \$1.00.

Ramie. SILVER CHINA GRASS. (*Urtica Nivea*.) This is the variety now so extensively cultivated in the South for its fibre. The seed should be germinated by sowing it on cotton, floating in a tub of lukewarm water, and

Sunflower. (*Helianthus Annuus.*) The Sunflower is rapidly acquiring a reputation as a valuable farm crop. Its seeds are superior food for poultry (said to improve the meat), and it has yielded 40 bushels per acre. The leaves are claimed to make excellent cattle fodder, and the stems may be used for fuel.

Russian Mammoth. (see cut.) Very large. Per lb., 15c; per 100 lbs., market price.

BIRD SEED.

Our Bird Seeds are always re-cleaned, fresh and sweet. Rancid and musty seed is injurious to your birds. If required by mail, 10 cents per pound must be added to prepay postage.

	Per lb.	3 lbs. for		Per lb.
Mixed Bird Seed.....	10c	25c	Maw, (Blue Poppy).....	20c
Mixed Canary and Rape.....	10c	25c	Lettuce Seed, for birds.....	40c
Canary.....	10c	25c	Cuttle Fish Bone.....	50c
Hemp.....	10c	25c	Rice, unhulled.....	25c
Millet, Italian.....	10c	25c	Millet, White French, excellent for all seed-eating birds.....	20c
Rape, German Sweet.....	10c	25c	Sunflower.....2 lbs.,	15c
				25c

Useful Tables for the Farmer and Planter.

SOWING TABLE FOR THE GARDEN.

QUANTITY OF SEED REQUIRED TO PRODUCE A GIVEN NUMBER OF PLANTS,
OR TO SOW A CERTAIN QUANTITY OF GROUND.

Artichoke.....	1 oz. to 500 plants	Melon, Water.....	1 oz. to 30 hills
Asparagus.....	1 oz. to 60 ft. of drill, 500 plants	Melon, Musk.....	1 oz. to 100 hills
Beans, Dwarf.....	1 lb. to 50 ft. of drill	Okra.....	1 oz. to 50 ft. of drill
Beans, Tall.....	1 lb. to 75 hills	Onion Seed.....	1 oz. to 100 ft. of drill
Beet.....	1 oz. to 50 ft. of drill	Onion, Top Sets.....	1 lb. to 20 ft. of drill
Broccoli.....	1 oz. to 2000 plants	Parsnip.....	1 oz. to 100 ft. of drill
Brussels Sprouts.....	1 oz. to 2000 plants	Parsley.....	1 oz. to 100 ft. of drill
Cabbage.....	1 oz. to 2000 plants	Peas.....	1 lb. to 50 ft. of drill
Carrot.....	1 oz. to 150 ft. of drill	Pepper.....	1 oz. to 1000 plants
Cauliflower.....	1 oz. to 2000 plants	Pumpkin.....	1 oz. to 25 hills
Celery.....	1 oz. to 5000 plants	Radish.....	1 oz. to 50 ft. of drill
Chicory.....	1 oz. to 100 ft. of drill	Salsify.....	1 oz. to 50 ft. of drill
Corn.....	1 lb. to 150 hills	Sage.....	1 oz. to 100 ft. of drill
Cress.....	1 oz. to 10 ft. of drill	Spinach.....	1 oz. to 50 ft. of drill
Cucumber.....	1 oz. to 100 hills	Squash, Early.....	1 oz. to 50 hills
Egg Plant.....	1 oz. to 2000 plants	Squash, Winter.....	1 oz. to 15 hills
Endive.....	1 oz. to 3000 plants	Tomato.....	1 oz. to 3000 plants
Kale.....	1 oz. to 2000 plants	Tobacco.....	1 oz. to 10,000 plants
Kohl-rabi.....	1 oz. to 2000 plants	Turnip, Early.....	1 oz. to 75 ft. of drill
Leek.....	1 oz. to 100 feet of drill	Turnip, Rutabaga.....	1 oz. to 50 ft. of drill
Lettuce.....	1 oz. to 5000 plants		

NUMBER OF TREES OR PLANTS TO AN ACRE OF GROUND.

SET AT REGULAR DISTANCES APART.

Distance Apart.	No. of Plants.	Distance apart	No. of Plants.	Distance apart.	No. of Plants.
3 inches by 4 inches.....	522,720	4½ feet by 4½ feet.....	2,150	14 feet by 14 feet.....	222
4 inches by 4 inches.....	392,040	5 feet by 1 foot.....	8,712	15 feet by 15 feet.....	193
6 inches by 6 inches.....	174,240	5 feet by 2 feet.....	4,356	16 feet by 16 feet.....	170
1 foot by 1 foot.....	43,560	5 feet by 3 feet.....	2,904	16½ feet by 16½ feet.....	160
1½ by 1½ feet.....	19,360	5 feet by 4 feet.....	2,178	17 feet by 17 feet.....	150
2 feet by 1 foot.....	21,780	5 feet by 5 feet.....	1,742	18 feet by 18 feet.....	134
2 feet by 2 feet.....	10,890	5½ feet by 5½ feet.....	1,440	19 feet by 19 feet.....	120
2½ feet by 2½.....	6,960	6 feet by 6 feet.....	1,200	20 feet by 20 feet.....	108
3 feet by 1 foot.....	14,520	6½ feet by 6½ feet.....	1,031	25 feet by 25 feet.....	69
3 feet by 2 feet.....	7,260	7 feet by 7 feet.....	888	30 feet by 30 feet.....	48
3 feet by 3 feet.....	4,840	8 feet by 8 feet.....	680	33 feet by 33 feet.....	40
3½ feet by 3½.....	3,555	9 feet by 9 feet.....	537	40 feet by 40 feet.....	27
4 feet by 1 foot.....	10,890	10 feet by 10 feet.....	435	50 feet by 50 feet.....	17
4 feet by 2 feet.....	5,445	11 feet by 11 feet.....	360	60 feet by 60 feet.....	12
4 feet by 3 feet.....	3,630	12 feet by 12 feet.....	302	66 feet by 66 feet.....	10
4 feet by 4 feet.....	2,722	13 feet by 13 feet.....	257		

RULE:—Multiply the distance in feet between the rows, by the distance the plants are apart, in the rows, and the product will be the number of square feet for each plant or hill; which, divided into the number of square feet in an acre (43,560) will give the number of plants or trees to the acre.

Roll or firm seeds well after sowing.

TABLE SHOWING THE QUANTITY OF SEED
USUALLY SOWN PER ACRE.

	Lbs. to the Acre.		Lbs. to the Acre.
Alfalfa.....	25 to 30	Grass, Red Top.....	30
Barley—broadcast.....	125 to 150	Grass, Timothy.....	20
Beans, dwarf or bush—hills.....	40	Grass, Mesquite.....	35
Beans, dwarf or bush—drills.....	80	Grass, Hungarian.....	25
Beans, Tall or Pole—hills.....	25	Millet.....	25
Beet, Garden.....	6	Hemp—broadcast.....	40 to 50
Beet, Sugar.....	15	Melon, Water—hills.....	2 to 3
Beet, Mangel Wurzel.....	6	Melon, Musk—hills.....	2
Broom Corn—drills.....	12	Oats—broadcast.....	80
Buckwheat—broadcast.....	45	Onion, for Dry Bulbs—drills.....	4
Cabbage—in beds to cover an acre after transplanting.....	} $\frac{3}{4}$ to $\frac{1}{2}$	Onion, for bottom sets.....	30
Carrot—drills.....		3	Parsnip—drills.....
Clover, Red alone—broadcast.....	15	Peas—drills.....	50 to 80
Clover, White alone—broadcast.....	10	Peas—broadcast.....	150
Clover, Alsike—broadcast.....	10	Potatoes—hills.....	500 to 600
Corn, Sweet or Field—hills.....	15	Pumpkin—hills.....	3
Corn, to cut green for fodder—drills or broadcast.....	125	Radish—drills.....	8
Cucumber—hills.....	1 to 2	Rye—broadcast.....	100
Flax (when wanted for seed).....	30	Spinach—drills.....	10
Flax (when wanted for fibre).....	50	Squash, Bush Varieties—hills.....	4
Grass, Kentucky Blue (for pasture).....	50	Squash, Running Varieties—hills.....	3
Grass, Kentucky Blue (for lawns).....	150	Tomato—in beds to transplant.....	$\frac{1}{8}$
Grass, Orchard.....	40	Turnip and Rutabaga—drills.....	2
Grass, English or Australian Rye (for meadow).....	60	Turnip and Rutabaga—broadcast.....	1 $\frac{1}{2}$
Grass, English or Australian Rye (for lawns)....	75	Vetches—broadcast.....	100
Grass, Italian Rye.....	30	Wheat—broadcast.....	100
		Wheat—drills.....	75

TABLE OF WEIGHTS.

SHOWING THE STANDARD WEIGHTS PER BUSHEL OF SOME OF THE MORE COMMON SEEDS.

Barley.....	48 lbs.	Flax.....	56 lbs.	Rye.....	56 lbs.
Beans.....	60 "	Hemp.....	44 "	Red Top Grass.....	14 "
Buckwheat.....	48 "	Hungarian Grass.....	48 "	Rape.....	50 "
Blue Grass.....	14 "	Millet.....	48 "	Timothy.....	45 "
Clover.....	60 "	Oats.....	32 "	Tares or Vetches.....	60 "
Corn.....	56 "	Peas.....	60 "	Wheat.....	60 "

TABLE SHOWING THE NUMBER OF PLANTS IN LENGTH FROM ONE FOOT TO
ONE HUNDRED FEET APART.

(USEFUL FOR PLANTING HEDGES, WINDBREAKS, SHADE TREES, ETC.)

Distance apart	No. per Mile	Distance apart.	No. per Mile.	Distance apart.	No. per Mile.
1 foot.....	5,280	15 feet.....	352	60 feet.....	88
2 feet.....	2,640	20 feet.....	264	65 feet.....	81
3 feet.....	1,760	25 feet.....	211	70 feet.....	75
4 feet.....	1,320	30 feet.....	176	75 feet.....	70
5 feet.....	1,056	35 feet.....	151	80 feet.....	66
6 feet.....	880	40 feet.....	132	85 feet.....	62
7 feet.....	754	45 feet.....	117	90 feet.....	58
8 feet.....	660	50 feet.....	105	95 feet.....	55
9 feet.....	586	55 feet.....	96	100 feet.....	52
10 feet.....	528				

Try our Saltbush. It will save Rock Salt. See list of Fodder Plants.

HINTS ON THE FORMATION AND IMPROVEMENT

— OF —

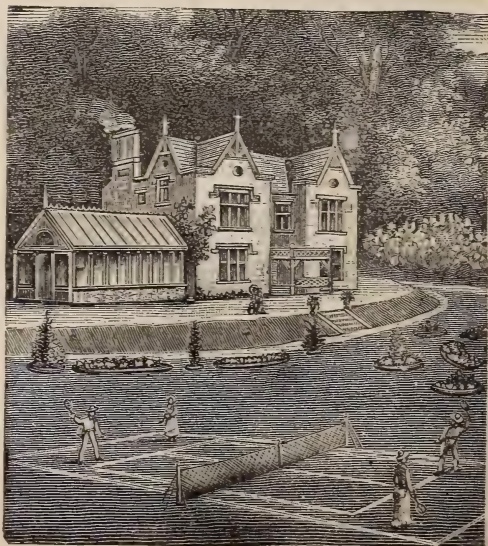
Garden Lawns, Tennis Grounds and Parks.

The preparation of the Lawn is usually preliminary to the laying out of the Flower Beds in new grounds. This should be carefully done, as if this work is imperfect, it cannot afterwards be remedied, unless by undoing the work done, and redoing it in a proper manner. The first thing to be done is to get the ground to the proper grade desired. Then dig or plow up the ground to the depth of eight inches, afterward carefully harrowing and removing all large stones, etc. If the soil is thin, procure a supply of fine mould and spread over to a depth of five inches. If the soil is poor, well rotted stable manure, well incorporated with the soil, will be very beneficial; or if this is unobtainable, 500 pounds of ground bone per acre may be applied. Then rake level, and roll well the soil to make a firm bottom. When sowing the seed, choose a calm, damp, cloudy day, and sow at the rate of 150 pounds per acre (one pound will sow well 16 feet square). The seed should be carefully raked in, and again well rolled. In dry weather, regular and careful watering is strictly essential. *Never let the ground dry out.* Should the surface once become powder dry while the seed is germinating, the latter would inevitably perish. When the grass is up to the height of three inches, it should be cut and rolled, and cutting should be repeated every week till the grass has become firm and turfy. When weeds appear they should be carefully cut out with a sharp knife, care being taken to disturb the young grass no more than is absolutely necessary. With the most careful sowing and attention some bare spots will be found in the Lawn; these may be filled up by scoring the spots with a steel rake, and then resowing and raking in more seed. A light dressing of manure or bone-dust should be applied to every Lawn annually, and the roller should be used frequently during winter when the state of the ground and the weather will permit.

To Grass a Bank or Terrace. For each square rod of land take 1 lb. of grass seed, and thoroughly mix with four cubic feet of good, dry, garden soil. When well mixed, add water enough to bring the whole to the consistency of soft mortar. After the slope is properly graded and watered, spread the paste over as thinly and evenly as possible.

Finest Mixed Dwarf Semi-Tropical Lawn Grass, for producing a fine, close and velvety turf, improving lawns, croquet grounds, etc. This mixture we have made up especially for Southern California. It will be found to thrive with much less watering than is required to keep a Blue Grass Lawn in condition. We have aimed to supply only those grasses which are suitable for dry soils, and which we know will grow satisfactorily in our climate, and as the principal portion of the finer grasses thrive better growing together than separately, a more lasting sod, than can be obtained by Blue Grass, may be expected. Per lb., 40c.; 100 lbs., \$35.

Kentucky Blue Grass. Extra, fancy cleaned. The grass usually sown for lawn purposes. Per lb., 25c.; per 5 lbs., \$1.00; 100 lbs., market price.



Tennis Grounds.



From Seeds.

REMARKS ON SOWING AND CULTURE.

We have heard it remarked that the position of a person or nation in the scale of refinement and civilization may be judged by his or their love of two things, viz: Music and Flowers.

The use and growth of flowers, especially, marks the progress of individuals and nations, the greatest nations of the earth being those with whom the love of Floriculture most prevails. To the lover of flowers, what can be more interesting than to sow the seed, water, and otherwise care for the growth and development of the plant, and, at last, enjoy the expansion of the flowers? What does the sense of proprietorship of the purchaser of flowers compare to that of the grower of them? The latter feels that they are verily his own, the results of his fostering care. Among the Flowers which may be grown with a minimum amount of care and expense are those varieties which reproduce themselves from seeds. These are classed as Annuals, Biennials and Perennials, and these are subdivided into Hardy, Half hardy and Tender varieties of each class. *Hardy Annuals* are those plants which may be sown in the open air. They grow, flower, produce seed and then die. *Half Hardy Annuals* are those varieties which require an even temperature of at least 60 degrees to germinate the seed, and will not stand frost; consequently they must not be sown in the open ground during the fall or winter months, and not in spring till April. A good rule for those to follow who wish to sow this class is to wait for the proper weather and season in which to sow Corn, Melon or Pumpkin Seeds. These being *Half Hardy Annual Vegetable Seeds*, it follows that Half Hardy Annual Flower Seeds may be sown without risk at the same time.

Tender Annuals are those that require greenhouse protection, as Calceolaria, etc. The seeds are usually very fine, and it requires skill and care to raise them.

Hardy Biennials are those that flower the second year from sowing the seed and then die.

Hardy Perennials are among the finest of our border plants. They do not usually flower till the third year after sowing, but may be relied upon to produce larger clumps of flowers year by year for many years. *Half Hardy Perennials* are those which require some protection during the coldest weather as they will not stand frost. Tender Perennials are those species that require Greenhouse or other protection during the greater part of the year, as they are, generally speaking, natives of tropical countries.

The best time to sow *Hardy Annuals* is in the fall months, as they will make much stronger plants, and flower much more abundantly when wintered over. They may be sown in any finely prepared shady border, and transplanted, when large enough, to where they are to flower. *Do not cover the seeds too deep.* A good rule is to cover each seed its own depth with soil, at the same time taking care to water carefully. Never water so much that the soil gets "soggy," i. e. saturated; nor never let the top get dry. Most varieties will germinate within ten days.

They may also be sown any time during the spring months for summer blooming, care being taken to shade the young plants, after transplanting, in hot weather.

Half Hardy Annuals may be sown in April out of doors, or in boxes in March or earlier. If in boxes they should be covered, or removed under cover, during the night time, and during heavy rains. Those who have hot beds may sow the seed in February and grow the plants in 3-inch pots, for planting out doors in April, thus gaining two months on those who have not this advantage. (See Instructions for making hot-beds, in Calendar of operations.) If sown in boxes, the boxes should have an inch of rough soil, or gravel, at the bottom for drainage; the remainder of the box should be filled within an inch of the top with sifted, light, rich soil, firmly pressed, and the seed should be sown, covered its own depth with soil, again pressed and watered. When the young plants are large enough to be handled, prick out into other boxes, planting them about one inch apart, and, when weather permits, they should afterwards be planted in the open ground to the place where they are to flower.

Tender Annuals should be sown in pots as follows: Take a 5 or 6-inch flower pot, put an inch of drainage in the bottom, then two inches of finely sifted soil, firmly pressed, with a sprinkling of sand on top. Then sow the seed, and do not cover, but press it into the soil. Water with a very fine sprinkler, and cover the top of the pot with a sheet of glass. Remove the glass for an hour daily to dry up the damp. When seedlings appear, gradually harden them off to the air. As soon as they can be handled prick out into 2-inch pots, and shift again when necessary.

Hardy Biennials and Perennials should be sown in September. Many varieties, if sown then, will flower the next year. If sown in spring they will not flower till a year later. They may be sown in a shady border, and when large enough, transplanted to where they are to remain.

Half Hardy and Tender Perennials should be sown in boxes, and treated as recommended for Half Hardy Annuals, till plants appear, when they should be pricked into 2-inch pots, and shifted afterwards when necessary.

either for garden or pot culture. We offer none but the finest French and German strains.

Height Price
in feet per pkt.

Bartonia Aurea Nana. Yellow..... ½ 5c
A showy native plant Good for borders and shrubbery.



Candytuft.



Camellia Flowered Balsam.

Brachycome Iberidifolia. Mixed.... ½ 5c
"Swan River Daisies." Free blooming plants, with Cineraria-like flowers. Natives of Western Australia.

Browallia Elata, *hh.* Mixed..... 1½ 10c
Pretty border plants, also suitable for pot culture.

Cacalia Coccinea. Scarlet..... ½ 5c
"Flora's Paint Brush." A neat annual, *b.*

Calandrinia Umbellata. Vivid crimson ¼ 5c
Portulaca-like plants, fond of sunshine, well suited for rock work.

Calceolaria Hybrida Superba, *l.* Beautifully blotched, mottled and striped 1½ 50c
Nana, *l.* Dwarf, very neat..... 1 50c
The seed we offer has been hybridized by the best European cultivators, and is the most superb strain procurable. Sow in August.

Calendula Officinalis. "Meteor." Yel-



Centaurea Margaritæ.

	Height in feet	Price per pkt.
low, striped and bordered orange....	1½	5c
"Prince of Orange".....	¾	5c
"Pot Marigolds." Of easy culture.		
The above are fine double sorts, <i>b.</i>		
Calliopsis, Bicolor, yellow and brown, semi-double.....	2	5c
Fine mixed. All colors.....	2	5c
Also called Coreopsis. Showy plants for borders, <i>b.</i>		
Candytuft. Purple.....	1	5c
" Rocket. white.....	1	5c
" White, (see cut).....	¾	5c
" White, fragrant.....	1	5c
" Fine mixed. All colors..	1	5c
Well known plants of easy culture and dwarf habit. Good for bedding in masses, <i>b.</i>		
Cannabis Gigantea. "Giant Hemp," <i>hh</i>	6	5c
Ornamental in shrubbery and subtropical grouping.		
Catchfly. Fine mixed.....	1	5c
Bright colored, free flowering, showy and pretty.		
Celosia Cristata, <i>hh.</i> Empress dwarf crimson, splendid.....	1	15c
Glasgow Prize, crimson (see cut).....	2	15c
Finest mixed	2	10c
Pyramidalis. Mixed	2	10c
<i>Celosia Cristata</i> is the Cockscomb. These varieties make splendid decorative plants when grown in pots. <i>Celosia Pyramidalis</i> is the feathered variety, which is also a magnificent plant for the same purpose.		
Centaurea Cyanus. Emperor William, Sky blue.....	2	5c
<i>Centaurea Cyanus.</i> White...	2	5c
" " Red.....	2	5c
" " Dark Blue	2	5c
" " Mixed...	2	5c
[See also Perennials]. "Corn Flowers." — Free blooming hardy plants for mixed borders, <i>b.</i>		



Celosia Cristata, Glasgow Prize.



Collinsia Bicolor.

	Height in feet.	Price per pkt.
Centaurea Margaritæ	1½	15c
Large, pure white flowers, about two inches in diameter, with its edge petals beautifully tubed and twisted, excellent for cutting, <i>b.</i> (See cut).		
Centranthus . Mixed. Various Colors.	1	5c
Showy annuals, with valerian-like flowers, <i>b.</i>		
Chrysanthemum Tricolor Burridge- annum. White with crimson ring.	2	5c
Chrysanthemum Tricolor Double Mixed. Various colors.....	2	5c
Chrysanthemum Coronarium. Dou- ble white.....	2	5c
Chrysanthemum Coronarium. Dou- ble yellow.....	2	5c
[See also perennials]. The annual Chrysanthemum is rapidly rising in favor, being showier than the Marguerite, and of diverse colors, <i>b</i>		
Cineraria Hybrida, <i>l.</i> Choice mixed	1	50c
“ “ Dwarf.....	¾	50c
“ “ New double... ..	1	50c
[See also Perennials]. Valuable winter and spring flowering pot plants for window or greenhouse culture. Our strain is the finest obtainable. Our double strain is particularly fine, the flowers being as large and full as the Double Scabious.		
Clarkia Elegans. Double rose.....	1½	5c
“ Pulchella. Purple.....	1½	5c
“ “ Purple, double....	1½	5c
“ Fine Mixed. All kinds.....	1½	5c
Well-known plants of general utility, especially useful in mixed borders and well adapted for massing in beds.		
Clintonia Pulchella. Blue, white and yellow.....	½	5c
A pretty little plant for rockwork.		
Collinsia Bicolor (see cut). Purple and white.....	1	5c
An early, profuse blooming native.		
Convolvulus Minor. Mixed colors... ..	1	5c
Dwarf Morning Glory." Excellent for clumps in mixed borders.		
Cosmos . Pure white.....	4	5c
“ Pink.....	4	5c
“ Purple.....	4	5c
“ Fine Mixed, (see cut).....	4	5c
Showy flowers, of easy cultivation. General favorites <i>b.</i>		

	Height in feet.	Price per pkt.
Cosmidium Burridgeanum . Maroon and yellow. Resembling Calliopsis <i>b</i>	2	5c
Datura Huberiana , <i>hh.</i> Double mxd.	3	10c
Fine, showy plants for shrubbery and mixed borders, with large, double, trumpet-shaped flowers.		
Echium Creticum	3	10c
"Vipers' Bugloss". This plant belongs to the same family as the Heliotrope. Of easy growth, with fine scarlet flowers; excellent for bees.		
Eschscholtzia Californica, Yellow..	1	5c
White and carmine.....	1	10c
Orange.....	1	5c
“ Double.....	1	10c
Double white.....	1	10c
Mandarin. Orange and Mandarin red.....	1	10c
Fine mixed, all sorts.....	1	5c
The well-known "Californian Poppy." We offer several new varieties that are not generally known. All the above are useful for rockwork.		
Euphorbia Variegata, <i>hh.</i> Leaves green and white.....	2	10c
"Snow on the Mountain." The leaves of this plant are very useful in bouquets, <i>b.</i>		
Eutoca , Mixed. Various colors.....	½	5c
Good for bedding purposes and for cut flowers, <i>b.</i>		
Fenzlia Dianthiflora, Pink and white	¼	15c
A charming, profuse flowering little plant, excellent for rock work, etc.		



Cosmos.

"Our Homes." How to beautify them. 150 engravings, Mailed free, \$1.10.

	Height in feet.	Price per pkt.
Gaura Lindheimeria A handsome plant, native of Texas, with elegant spikes of rosy white flowers. Fine for masses or mixed borders.	3	10c
Gilia Tricolor . Violet, yellow, white " Dwarf sorts. Mixed.....	1 ½	5c 5c
Native Annuals, very showy, use- ful for massing.		
Godetia . Duchess of Albany. Large white.....	1½	5c
Lady Albermarle. Dark crimson...	1½	5c
Rubicunda Splendens. Red.....	1½	5c
Finest Mixed	1½	5c
Splendid, profuse blooming Native Annuals for borders.		
Gypsophila Muralis . Rose.....	½	5c
" Elegans. Rosy white....	1½	5c
Very graceful, <i>b.</i> See Perennials.		
Hawkweed . Mixed.....	1	5c
Showy plants, with double flowers, useful for borders.		
Helianthus Californicus . Double....	6	5c
Globosus Pistulosus. D'ble quilled.	6	5c
Green centered. Double.....	5	5c
Ornamental Double Varieties of the well-known Sunflower, good for backgrounds, and for screen- ing unsightly objects.		



Larkspur.

Hibiscus Africanus . Yellow, with dark center.....	2	5c
Very showy, flowers resembling those of the Cotton Plant. [See also Perennials]		
Ice Plant . [Mesembryanthemum Crystallinum]. White, trailer.....	Tr.	5c
Kaulfussia Amelloides , Mixed.....	1	5c
"Cape Marguerite." Very hand- some, <i>b.</i>		
Larkspur . Dwarf rocket, (see cut)..	2	5c
" Tall stock flowered.....	2½	5c
Very showy Annuals, profuse bloom- ing and well-known.		
Leptosiphon Hybridus . Fine mixed Profuse bloomers, with delicate foli- age, useful for small clumps in mix- ed borders. Good for rockwork.	½	5c

	Height in feet.	Price per pkt.
Limnanthes Douglassii . Yellow.... Sometimes called "Yellow Nemo- phila," with which plant it contrasts well.	¼	5c
Linaria Bipartita Splendida . Dark pur- ple.....	1	5c
"Toad Flax." Small Snap Dragon- like flowers; purple, flecked with gold. [See also Perennials.]		
Linum Grandiflorum Rubrum . Scar- let	1	5c
"Scarlet Flax." Unsurpassed for brilliancy and duration of bloom. [See also Perennials.]		
Lobelia Erinus Erecta . Blue.....	½	10c
" Crystal Palace Com- pacta. Dark blue....	⅓	10c
" " "Emperor William. Light blue, compact..	½	10c
" Fine mixed	½	10c
Pretty plants for edging or pot cul- ture, also useful for hanging baskets and vases. [See also Perennials.]..		
Love Lies Bleeding . Crimson	2	5c
(Amaranthus Caudatus.) Showy border plant, with crimson racemes.		
Lupinus . Mixed Annual. Various col- ors.....	2 to 3	5c
Showy plants for borders and shrub- bery. (See also Perennials, <i>b.</i>)		
Malope Grandiflora purpurea . Red- dish purple	2	5c
Marigold, African . Lemon-colored	2	5c
" " Orange.....	2	5c
" " Mixed.....	2	5c
" French. Dwarf yellow.....	1	5c
" " Striped ...	1	5c
" " Tall striped	2	5c
" " Mixed, (see cut). ..	1	5c
Favorite showy plants for mixed bor- ders. [See also Calendula,]		



Marigold French.



Mignonette.

"The Rose." Its cultivation, varieties, etc. (Ellwanger.) Mailed free, \$1.35.

	Height in feet.	Price per pkt.
Matthiola Bicornis. Purple	½	5c
The Night-Scented Stock. Fragrant in the evening.		
Mesembryanthemum Tricolor. Pur- ple, rose and white, trailer..... Tr.		5c
The "Dew Plant," useful for edg- ings, or rockwork.		
Mignonette, Sweet Greenish white, (see cut)	½	5c
" " Large flowering, greenish white..	¾	5c
" " Compact dwarf ..	⅓	5c
" " Golden Queen ..	1	10c
" " Machet, fine for pot culture	1	10c
" " Miles's hybrid spiral, very large spikes.....	1	10c
" " New White, fine long spikes	1	10c

Too well-known to need comment.
The last four kinds are particularly
fine, *b.*

Nasturtium, Tom Thumb, <i>hh</i> Scarlet, (see cut)	1	5c
Dark crimson	1	5c
Empress of India, dark leaves and crimson flowers	1	10c
Golden King, dark foliage.....	1	10c
King of Tom Thumbs, dark foli- age, scarlet flowers.....	1	10c
King Theodore, nearly black.....	1	10c
Pearl, white	1	10c
Yellow.....	1	5c
Finest mixed	1	5c

[For tall Nasturtiums, see Climbing
Plants]

Useful bedding plants, mostly of
dazzling colors, they may also be
planted in vases or hanging baskets.
The dark foliaged kinds are very
ornamental.



Nasturtium.

Nemophila Insignis. Beautiful sky blue	½	5c
" Maculata, large — white with purple blotch.....	½	5c
" Fine mixed	½	5c
" "Love Grove." Charming Californian annuals for borders.		

	Height in feet.	Price per pkt.
Nicotiana Affinis. Large, white and fragrant.....	4	10c
Macrophylla. Purple flowers, large leaves	4	10c
Ornamental varieties of tobacco.		
Nigella Damascena. Double, lavender blue.....	1	5c
"Love in a Mist," or "Devil in the Bush." Singular flowers, the upper petals being reflexed to resemble horns. <i>b.</i>		
Nolana. Fine mixed	Tr.	5c
Trailing plants, resembling Dwarf Convolvulus. Colors blue and white; good for rockwork and vases.		
Oxyura. Chrysanthemoides. Yellow and white.....	1	5c
A showy Californian plant, an abundant bloomer.		
Pansy. See list of Perennials.		
Perilla. Nankinensis, <i>hh.</i> Very dark leaves	1½	5c
Ornamental leaved plants, somewhat resembling dark-leaved Coleus. Good for ribbon beds.		
Phlox Drummondii. White	1	10c
Double White.....	1	15c
Double yellow, (see cut).....	1	15c
Bright scarlet.....	1	10c
Red, with white eye.....	1	10c
Rose, striped white, (see cut)	1	10c
Pink.....	1	10c
Fine mixed.....	1	5c
Large flowering, fine mxd. (see cut)	1	10c
Very dwarf, Fireball, brilliant scarlet	½	10c
Very dwarf. Extra fine, mixed.....	½	10c
Cuspidata. "Star Phlox," mixed..	1	10c

We cannot praise too highly the mer-
its of this lovely flower. The ease
with which it may be grown, its
neat, free flowering habit, and the
diversity and brilliancy of its colors,
render it an universal favorite. The
large flowering section is very fine.
The dwarf varieties, in bloom, ap-
pear perfect globes of flowers. The
Cuspidata has its petals extended
just like the five points of a star.



Phlox Drummondii Striped.



Phlox Drummondii. Double Yellow.



Phlox Drummondii, Large Flowering.

	Height in feet.	Price per pkt.
Platystemon Californicum. Yellow	¾	5c
A native plant, with lemon-colored flowers, early blooming. Good for borders.		
Poppy. Carnation, double mixed..	2	5c
Danebrog, scarlet, blotched white..	2	5c
French, or Ranunculus-flowered] mixed	2	5c
Mikado, new, white and purple fringed	2	10c
Peony-flowered, fine mixed	1½	5c
Shirley, mixed, a distinct race, fine Tulip. (<i>Papaver glaucum</i> .) Scarlet, (see cut.)	1¼	10c
Umbrosium, double, scarlet crimson	1½	10c
Fine Annual Poppies of brilliant colors. They make a splendid show in borders or shrubbery.		
Portulaca. Single. Yellow, <i>hh</i>	½	5c
" " White, <i>hh</i>	½	5c
" " Scarlet, <i>hh</i>	½	5c
" " Crimson, <i>hh</i>	½	5c
" " Mixed, <i>hh</i>	½	5c

	Height in feet.	Price per pkt.
Portulaca. Double. White, <i>hh</i>	½	10c
" " Golden, <i>hh</i>	½	10c
" " Pink, <i>hh</i>	½	10c
" " Scarlet, <i>hh</i>	½	10c
" " Mixed, finest qual.	½	10c

For exhibiting a display of dazzling brilliancy the *Portulaca* is unrivalled. It revels in sunshine, and will stand quite a degree of drought. The double varieties bear flowers like miniature roses. Equally well adapted for beds, borders or rock-work.

Ricinus Sanguineus. Blood red foliage 6 5c
An ornamental variety of the Castor Oil Bean. Very effective as single specimens, or in groups on lawns.

Salpiglossis, hh. Finest tall mixed.. 1½ 10c
Flowers are somewhat like *Petunias*, with veined, velvety surface, *b*.

Sanvitalia, Procumbens. Single yellowTr 5c
Double yellow.....Tr 5c

Profuse blooming trailing plants for beds, rock-work, etc. Sometimes called the "Trailing Sunflower."

Saponaria Calabrica. Pink ½ 5c
The Calabrian Pink, or "Soapwort." One of the best hardy annuals, covered with small star-shaped flowers, blooming perpetually during the season, and adapted for beds, rockwork or edgings.

Schizanthus Pinnatus. Blue,..... 1½ 5c
Grahami. Lilac and yellow..... 1½ 10c
Finest mixed

1½ 5c
Of much interest and beauty, the flowers being beautifully marked, after the style of some orchids. Good for house culture or out-doors, *b*

Senecio, or Jacobea. Double mixed. 1 10c
"American Groundsel." Showy flowers, succeeding well in any soil, *b*.



Tulip Poppy.

	Height in feet.	Price per pkt.
Silene Pendula. Red.	1	5c
“ “ Red, double	1	5c

One of the best Hardy Annuals for early spring flowering. Seed may be sown in succession at intervals of two or three weeks through the winter and early spring. Good for bedding or edging,

Stocks. Ten weeks. Dwarf Bouquet. .		
Finest mixed, (see cut)	1	10c
Large flowered. Finest mixed	1	10c
Pyramidal. Finest mixed	1	10c
Wallflower leaved. Finest mixed	1	15c
“ “ Snowflake,		
pure white	1	15c
New Giant Perfection Mixed.....	2	15c

[For Intermediate, Brompton and other Stocks, see Perennials.] The Stocks offered above are imported from a leading German firm. The seed is saved from pot grown plants, and may be relied upon to produce nearly all double flowers (*b.*)

Sultan, Sweet. Purple.....	1½	5c
“ “ White.....	1½	5c
“ “ Yellow.....	1½	5c
“ “ Mixed.....	1½	5c

Pretty border plants with fragrant flowers, *b.*

Sweet Peas, see list of climbers.

Venus's Looking Glass. Blue.....	¾	5c
Pretty bell-shaped flowers, blooming profusely, well adapted for edgings and hanging baskets.	1	5c

	Height in feet.	Price per pkt.
Venus's Navelwort. White.....	1	5c

A profuse blooming white Annual for borders and edgings.

Virginian Stock. Red.....	½	5c
“ “ White.....	½	5c
“ “ Mixed.....	½	5c

Well-known A succession of bloom may be obtained by sowing at any time of the year.

Viscaria Cœlirosea. “Rose of Heaven”		
Pink	¾	5c
Elegans Picta. Rose and scarlet...	1	5c
Oculata. Rose, dark eye.....	1	5c

For mixed borders, very showy.

Whitlavia Grandiflora. Violet	½	5c
Gloxinioides. White and blue	½	5c

A native plant, with profuse tubular flowers. Good for beds, edgings and mixed borders.

Zinnia, <i>hh.</i> Finest double mixed,		
(see cut).....	2	5c
Dwarf mixed	1	5c
New Giant mixed.....	3	10c
Haageana, fl. pl. double yellow....	1	10c

“Youth and Old Age.” Of great beauty and utility, rivaling Asters in form, and superior to them in variety of color. In the front rank of border flowers, *b.*



Zinnia, Double.



Stocks, Ten Weeks.

SEEDS OF EVERLASTING FLOWERS.

These are greatly admired and highly prized for Winter Bouquets. They should be cut on a dry day when fully expanded.

	Height in feet.	Price per pkt
Acroclinium, hh. Mixed.....	1	5c
Double white. Fifty per cent. double flowers.....	1	5c
Double pink (see cut) Fifty per cent. double flowers.....	1	5c
One of the prettiest Everlastings; in universal demand.		
Ammobium alatum. White.....	1	5c
Pretty and of easy culture.		



Globe Amaranthus.

	Height in feet.	Price per pkt.
Globe Amaranthus, hha. Purple....	1	5c
White.....	1	5c
Fine mixed, (see cut).....	1	5c
If cut at the proper time will last for years.		
Gnaphalium Leontopodium. White.....	½	15c
The true "Alpine Edelweiss," so eagerly sought for and so highly prized.		
Helichrysum. (See cut.) Dwarf, double mixed.....	1	10c
Tall double pink.....	2	10c
" " white.....	2	10c
" " mixed.....	2	10c
Bracteatum. Single yellow.....	2	10c
"Straw Flowers." These will stand drought well. Should be grown in good soil, with abundance of air. They make handsome bouquets when mixed with ornamental grasses, <i>b</i>		
Rhodanthe Maculata. Pink.....	1	10c
" Alba. White.....	1	10c
" Manglesii. Bright rose...	1	10c
" Mixed.....	1	10c

The most beautiful and delicate Everlasting Flowers. They also make fine pot plants, *b*.

Xeranthemum. Double mixed.....	2	5c
One of the oldest and most popular Everlastings. May be employed with effect in mixed borders, especially where there is an excess of foliage on other plants, <i>b</i> .		



Acroclinium Roseum, Double.



Helichrysum, Var.

ORNAMENTAL GOURDS AND CUCURBITACEÆ.

These are nearly all Climbing Annuals, with curious, grotesque fruits. When dried many of the shells may be utilized for various purposes, as for dippers, drinking utensils, troughs, etc. They grow rapidly in hot weather, and are very useful for screening unsightly objects, *hh a*.

"The Propagation of Plants." (A. S. Fuller.) Mailed free, \$1.65!

Abobra <i>Viridiflora</i> . Greenish flowers	6	10c
A tuberous perennial Gourd, with pretty scarlet fruits.		
Bryonopsis <i>Laciniosa Erythrocarpa</i>	5	10c
Very ornamental, with pleasing cut foliage, and bright colored fruits.		
Cucumber , Snake. (<i>Cucumis flexuosus</i>)	6	10c
" Fragrant, or Pomegranate Melon	4	10c
" Wild. Very curious	4	10c
Gourd , Bottle-shaped. White flowers	10	10c
Calabash-shaped	10	10c
Dipper	10	10c
Dishrag. When properly prepared this is very serviceable in many ways	6	10c
Egg-shaped "Nest Egg," Gourd (see cut)	10	10c
Gooseberry, smallest	6	10c
Hercules's Club. Fruits 7 to 8 feet in length	15	10c



Nest Egg, or Egg-shaped Gourd.

	Height in feet.	Price per pkt.
Orange-shaped, (Mock Orange)....	15	10c
Pear-shaped	10	10c
Serpent. (<i>Trichosanthes Colubrina</i> .)		
Very long and coiled	10	10c
Small lemon-shaped	8	10c
Sugar Trough. Enormous, holding several gallons	15	10c

	Height in feet.	Price per pkt.
Momordica <i>Balsamina</i> . "Balsam Apple."	6	10c
<i>Charantia</i> . "Balsam Pear"	5	10c
The <i>Momordicas</i> are very handsome. The fruits burst when ripe, exposing the bright orange scarlet interior, which resembles a handsome flower.		
Ornamental Gourds . Finest mixed kinds		10c

SEEDS OF CLIMBING PLANTS.

a—Annual. p—Perennial.

Adlumia <i>Cirrhus</i> , p. Pink.....	8	10c
The graceful "Allegheny Vine," also called "Mountain Fringe."		
Ampelopsis <i>Quinquefolia</i> , p. Good foliage.....	50	10c
<i>Veitchii</i> , p. (Japan Ivy).....	50	10c
The well know "Virginian Creeper." Fine for covering wood or trellis work.		
Antigonon <i>leptopus</i> , p. Rose.....	15c	
One of the most elegant climbers known. Native of Mexico.		
Aristolochia <i>elegans</i> , hhp. Chocolate and purple.....	30	10c
<i>Sipho</i> , hp. Yellow and brown	40	10c
The latter is called the "Dutchman's Pipe." Very odd looking and interesting.		
Balloon Vine , hha. White and green Bears a very pretty inflated capsule.	10	10c
Bignonia <i>Radicans</i> , hp. Orange scarlet	15	10c
<i>Kempferii</i> , hp. Purple.....	15	10c
<i>Stans</i> (<i>Tecoma</i>), hp. Orange, distinct foliage	10	15c
<i>Tweediana</i> . Bright yellow, trumpet vine. Evergreen.....	20	15c
"Trumpet vines," sometimes classed with <i>Tecomas</i> ; robust, hardy climbers. Very ornamental.		
Canary Bird Flower , hha. Yellow... (<i>Tropæolum Peregrinum</i> .) A charming annual vine, with delicate foliage.	8	10c
Clematis <i>Flammula</i> , hp. White.....	10	10c
<i>Viticella</i> , hp. Purple.....	10	10c
Jackman's New Hybrids. Mixed.....	10	25c
The "Virgin's Bower," well-known, profuse blooming climbers. The seed requires several months to germinate.		

Clanthus <i>Puniceus</i> , hp. Bright scarlet "New Zealand Glory Pea." A very handsome climber.	6	15c
Clitoria <i>Ternatea</i> , hhp. Blue.....	6	15c
Cobea <i>Scandens</i> , hp. Purple.....	20	10c
A very rapid growing climber, with bell-shaped flowers.		
Convolvulus <i>Major</i> . Blue.....	10	5c
" " Crimson	10	5c
" " Pink.....	10	5c
" " Striped	10	5c
" " White	10	5c
" " Mixed	10	5c
" <i>Aureus Superbus</i> . Yellow. Very fine and rare.....	8	15c
The well-known "Morning Glories." We offer them in every color and shade.		
Cypress Vine . Scarlet, hha, (see cut)	8	5c
" White, hha.....	8	5c
" Mixed.....	8	5c
(Ipomea <i>Quamoclit</i> .) Well-known climbers, with handsome delicate foliage.		
Dolichos <i>Lablab</i> , hha. Mixed	8	5c
Lignosus , hp. "Australian Pea Vine" The <i>Lablab</i> has beautiful purple flowers and pods.	15	10c
<i>Lignosus</i> is a rapid growing perennial.		
Eccremocarpus <i>Scaber</i> , hp. Orange... Very valuable to cover trellises.	6	10c
Humulus <i>Japonicus</i> , ha.....	20	10c
(Japanese Hop.) A beautiful climber, which may be sown in open ground in spring, attaining immense proportions in a short time. Very useful for covering verandahs, trellis work, fences, etc.		

Plant Climbers freely to screen objectionable features.



Mina Lobata.

	Height in feet.	Price per pkt.
Ipomea, Heavenly Blue, hha. Light blue.....	15	15c
Hederacea Grandiflora. Mixed.....	10	5c
Learii. "Blue Moon-flower," splendid, tp.....	15	15c
Limbata Elegantissima, hha. Purple, white margin.....	10	5c
Mexicana Grandiflora Alba. "True White Moon-flower".....	15	15c
Kennedya Bimaculata Grandiflora, hp. Purple.....	10	15c
Lapageria Rosea, tp. Pink.....	15	25c
A beautiful greenhouse climber.		
Lathyrus. Fine mixed purple or white.....	6	5c
The perennial "Everlasting Pea."		



Mina Sanguinea.

	Height in feet.	Price per pkt.
Loasa Aurantiaca, hha. Golden yellow The "Chilian Nettle" plant, with beautiful and interesting flowers. Must be handled with gloves, as the leaves sting.	6	10c
Lonicera Brachypoda. "Japan Honeysuckle".....	12	10c
Sinensis. "Chinese Honeysuckle".....	20	10c
Well-known favorite hardy climbers		
Mandevillea Suaveolens, hp. White..	15	10c
The "Chili Jasmine." Delightfully fragrant.		
Maurandya, hhp. White.....	8	10c
" Purple.....	8	10c
" Fine mixed.....	8	10c
Abundant bloomers, very fine for arbors.		
Mina Lobata. Red, yellow and white, ta, (see cut).....	15	10c
Sanguinea. Blood red, ta, (see cut)	15	15c
Sown in March and planted out in May, this will form by fall a dense pyramid 15 feet high, if sufficient training space is given. It is especially adapted for covering trellises, arbors, old tree stumps, etc.		
Nasturtium, Tall, hha. Scarlet.....	6	5c
" " " Orange.....	6	5c
" " " Dark crimson	6	5c
" " " Scarlet striped	6	5c
" " " Finest mixed.	6	5c
Very showy climbers, good for screening. The young seed pods, pickled are an excellent substitute for capers.		
Passiflora Cardinalis, hhp. Scarlet.....	8	25c
Cerulea, hp. Blue.....	8	25c
Edulis. Edible, hp. Mauve.....	8	25c
Fulgens. Red, hhp.....	8	25c
Princeps coccinea. Scarlet, hhp.....	6	25c
Quadrangularis (Macrocarpa) (Large Granadilla).....	10	25c
Trifasciata. Three angled stem.		
Edible.....	8	25c
Fine mixed.....	6 to 8	25c

The above collection comprises all the most beautiful and useful varieties of "Passion Flowers."



Cypress Vine.

	Height in feet.	Price per pkt.
Phaseolus Caracalla, hhp. Lilac, purple and white.....	8	10c
The "Snail Vine." Very beautiful and interesting.		
Scarlet Runner Beans, hha	10	5c
Useful and Ornamental. The young beans making good "Snaps."		

	Height in feet.	Price per pkt.
Smilax, p bulb. White.....	6	10c
Well-known. Very useful for festooning, etc., b.		
Sollya Heterophylla. Blue.....	6	15c
"Climbing Blue Bell." A pretty climber, with charming intense blue flowers.		



SWEET PEAS, ha.

- American Belle.** Rose and white.
- Blanche Ferry.** Pink and white.
- Boreatton.** Very dark crimson.
- Butterfly.** White and lilac.
- Captain of the Blues.** Purple and light blue.
- Cardinal.** Crimson scarlet.
- Empress of India.** Rosy pink and white.
- Indigo King.** Purple and indigo blue.
- Invincible Scarlet.** Bright scarlet.
- Isa Eckford.** Creamy white and rosy pink.
- Lottie Eckford.** White, edged lavender.
- Miss Hunt.** Carmine salmon and soft pink.
- Mrs. Eckford.** White and primrose.
- Mrs. Gladstone.** Delicate pink.
- Orange Prince.** Orange pink suffused with scarlet
- Primrose.** Pale primrose yellow.
- Princess of Wales.** White, striped with mauve.
- Queen of England.** Very large, pure white.
- Splendor.** Coppery crimson.
- Pure White.**
- Eckford's Hybrids.** Fine mixed (see cut).

Any of the above varieties 5c. per packet; 50c. per dozen packets. The whole collection of 20 varieties mailed free for 75c.

Tacsonia, hhp. Exoniensis. Light red	6	25c
Ignea. Fiery red.....	6	25c
Van Volxemi. Dazzling scarlet.....	6	25c
Mollissima. Pink.....	6	25c
Mixed	6	25c

Beautiful climbers, resembling Passifloras in foliage and flowers, colors varying from pink to crimson. When well-grown, are very ornamental.

Try our collection of Sweet Peas, 20 varieties for 75c.

	Height in feet.	Price per pkt
Thunbergia Alata, hha. Mixed.		
White and yellow.....	6	10c.
Free bloomers of rapid growth; the flowers of white and yellow shades, with striking black centre.		
Tropæolum Lobbianum. Spitzfleur, <i>tp.</i>		
Vivid scarlet.....	6	10c
Finest mixed, <i>tp.</i> All colors.....	6	10c
Useful climbers, which may be		

pegged down and used for bedding purposes. May be also grown in pots for winter flowering. Colors dazzlingly brilliant.

Wistaria Sinensis, hp. Light blue... 50 25c
A charming old fashioned hardy climber, producing its pale blue flowers in large clusters in early spring.

PERENNIALS.

Alyssum Saxatile. Beautiful yellow. Beautiful for borders and rock-work, <i>b.</i>	¾	5c
Anchusa Capensis, azure blue..... "Cape Alkanet," free blooming biennial, <i>b.</i>	1½	5c
Anemone Coronaria. Mixed (see cut) The "Windflower." Beautiful early spring flowering plants.	½	10c



Anemone Coronaria.

Antirrhinum Majus. Tall, mixed ..	2	5c
" " Dwarf, mixed	1	5c
" " Tom Thumb, mixed	¾	5c
"Snapdragons," Hardy Perennials, flowering the first year; unsurpassed for borders, <i>b.</i>		
Aquilegia Chrysantha, yellow	1½	10c
Double mixed hybrids, very fine..	1½	10c
Single mixed	1½	5c
"Columbines." Handsome hardy perennials, indispensable as decorative border plants, <i>b.</i>		
Arabis Alpina. White	½	5c
"Rock Cress," useful for early flowering and for rockwork, <i>b.</i>		
Armeria Formosa. Pink	¾	5c
A thrift-like Statice, useful for edgings and rockwork, <i>b.</i>		

Asperula Odorata. White.....	½	10c
"Woodruff," very fragrant.		
Aster. Perennial varieties, finest mixed. "Michaelmas Daisies"...	3	10c
Very showy perennials, good for borders and shrubbery.		
Auricula. Finest English hybrids. From the finest English collection. Fine deep colors, variously margined. Good also for pot culture.	¾	25c
Begonia, tp. Tuberous rooted, splendid mixed, single and double ..	1½	50c
Begonia, Rex. Ornamental leaved, finest mixed (see cut)	1	50c
Splendid decorative plants, suitable for pot culture. The tubers of the first named variety should be shaken out of the pots and kept in a dry, warm place during the winter.		
Bellis Perennis, fl. pl. Mixed, double, fine (see cut)	¼	10c
Longfellow, large rose	¼	15c
Quilled, mixed, fine.	¼	15c
The popular Double English Daisies. Very useful for edgings, <i>b.</i>		
Bocconia Japonica. White	4	10c
" Cordata. Buff.....	6 to 10	15c
Very ornamental, planted as single specimens, or in groups on lawns.		
Boltonia Latisquama. White (see cut) Resembling the Aster, free blooming.		10c
Cactus. Finest mixed	½ to 4	15c
Saved from the best and most distinct species.		



Boltonia Latisquama.



Bellis Perennis.



Begonia Rex.

	Height in feet	Price per pkt.
Campanula Carpatica. Blue.....	1/2	5c
" Pyramidalis. Blue....	3	5c
" Fine mixed, perennial... 1 to 3		5c
See also "Canterbury Bells," "Bell Flowers." Hardy plants, well suited for mixed borders.		
Canna. New French hybrids, mixed, very fine.....	5	10c
Canna. New dwarf, mixed.....	3	10c
Canna. Zebrina, striped leaved..	5	10c
"Indian Shot." Handsome plants for lawn decoration and for back- grounds. Soak the seed in tepid water for twenty-four hours before sowing.		
Canterbury Bells. Single blue....	2	5c
" " White..	2	5c
" " Striped..	2	5c
" " Mixed..	2	5c
" " Double white..	2	5c
" " Rose....	2	5c
" " Blue....	2	5c
" " Mixed..	2	5c
" " Calycanthema		
mixed.....	2	10c
Very handsome border perennials of great utility, and deservedly pop- ular favorites. The last two kinds are of great beauty, the calyx being of the same color as the flower. They are called "Hose in Hose," or "Cup and Saucer," Canterbury Bells, <i>b.</i>		
Carnation Pink. Finest German mixed.....	1 1/2	25c
Very good mixed.....	1 1/2	15c
Perpetual, or Tree, very fine.....	2	25c
New Grenadin; early dwarf, red....	1/2	15c
New Marguerite. Mixed. Will com- mence flowering within four months from the time of coming up (see cut).....	1 1/2	15c
Our collection comprises the most richly scented and beautifully marked varieties, <i>b.</i>		

	Height in feet	Price per pkt.
Castilleja Indivisa, <i>hhp.</i> Red.....	1 1/2	25c
Ornamental plants, with beautiful bracts.		
Centaurea Candidissima, <i>hp.</i> White foliage.....	1	10c
Centaurea Clementi, <i>hp.</i>	1	10c
The "Dusty Miller." Fine plants for ribbon beds or borders.		
Cerastium Tomentosum, <i>hp.</i> White leaves.....	Tr.	15c
The "Jerusalem Star." Admirably adapted for edgings and rock work.		
Chrysanthemum Frutescens. White, yellow-eye (Paris Daisy).....	2	10c
Indicum. Chinese, mixed.....	3	10c
Indicum. Nanum (Pomponne), mixed	2	10c
Indicum. Peony-flowered.....	2	10c
Japonicum (Japanese), mixed.....	3	10c
Chrysanthemum Frutescens is the well-known "Paris Daisy," or "Marguerite." The other kinds are the Chinese and Japanese varie- ties, so extensively grown and used during the fall months, <i>b.</i>		
Cineraria Maritima Candidissima, <i>hp.</i> White foliage.....	1	10c
Silvery foliage variety. Very use- ful for ribbon beds and borders.		
Clanthus Dampierii. Scarlet, with black center.....	4	15c
The Australian "Desert Pea." A magnificent flower. Water spar- ingly after sowing.		
Coleus , <i>hp.</i> Finest mixed. Orna- mental foliage.....	3	15c
New, large leaved, very fine.....	3	25c
Ornamental decorative leaved plants, fine for house decoration, or sub-tropical gardening.		
Convolvulus Mauritanicus, <i>hp.</i> Lav- ender.....	Tr.	10c
Hardy Perennial for hanging bas- ket, with flowers of a bright metal- lic lustre.		

Try our new Imperial Japanese Morning Glories. See page 5.



Cyclamen Persicum.



Coreopsis Lanceolata. Yellow, with chocolate centre (see cut)
A native plant, with lance-shaped leaves and showy bright flowers two to three inches in diameter.

Cowslip. Fine mixed
A favorite English flower, very early flowering.

Cuphea Platycentra. Scarlet and black
The "Cigar Plant," with pretty tubular flowers.

Cyclamen, hhp. bulb. Persicum, fine mixed, white and pink (see cut)
Cyclamen, hhp. bulb. Persicum, Giganteum, fine mixed, white and pink

Charming winter flowering house plants. Our seed is the finest European strain.

Dahlia, hhp. Large flowered. Double. Best quality mixed

Dahlia, hhp. Pompone. Small bouquet, mixed

Dahlia, hhp. Single mixed
The Dahlia is well known as one of the most gorgeous flowers. Our seed is saved from flowers, the perfection of form, and of every variety of color, *b.*

Delphinium, hp. Cashmerianum. Dark blue

Delphinium, hp. Elatum. Mixed. (Bee Larkspur)

Delphinium, hp. Formosum. Bright blue
"Perennial Larkspurs." Fine border plants of brilliant colors. Unsurpassed by any other border plant in early summer, *b.*

Height in feet. Price per pkt.

2 10c

1/2 10c

2 10c

1/2 25c

3/4 25c

4 25c

3 15c

4 10c

4 10c

3 10c

4 10c

Height in feet. Price per pkt.

1 10c

1 10c

1 10c

1 10c

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1 10c

1 10c

Dianthus Chinensis, hhp. Double mixed

Dianthus Heddewigii. Fine mixed

"Crimson Belle, dark crimson

Diadematus. ["Double Diadem" Pink]

Laciniatus. Single mixed

"Double mixed (see cut)

Imperialis. [Double Imperial Pink] Mixed

Hybridus. Double mixed

"China Pinks." Very free flowering and showy. The varieties offered above are all extra fine, and the gems of the genus, *b.*

Digitalis Gloxinoides, hp. Fine mixed

"Foxgloves," bearing fine spikes of variously spotted and blotched flowers for borders and shrubbery.

Dodecatheon Media, hp. Lilac

"American Cowslip." Fine for rock-work, etc.

Echeveria Metallica. Red

"Live-for-Ever." Handsome, succulent plant for edgings, with metallic lustre on leaves, *hp.*

Erpetion Reniforme. (Viola Hederaea.) Blue

"Australian Pansy," a pretty tufted plant with kidney-shaped leaves and blue flowers, rare and curious.

Erythrina Crista Galli. Dark red

"Coral Tree." Handsome decorative plant for shrubbery, etc.



Coreopsis Lanceolata.



Dianthus Lacin'atus Double.

	Height in feet.	Price per pkt.		Height in feet.	Price per pkt.
Evening Primrose, Yellow	3	5c	Geranium, Apple scented, Very fra-		
A well known bright yellow Hardy			grant.....	1½	25c
Perennial for mixed borders and			Double Zonale, Finest mixed.....	3	25c
shrubby			Single Zonale, (see cut). Finest		
Ferns, All species mixed½ to	2	25c	mixed.....	5 to 6	15c
Saved from the choicest and most			Ivy Leaved, Finest mixed.....	Tr.	25c
distinct varieties.			Tricolor, gold and bronze leaves...	2	50c
Fraxinella, Mixed, red and white ..	2	10c	[See Pelargonium for show vari-		
The "Burning Bush," a hardy Per-			eties.] Seed saved from the best		
rennial, purplish crimson and white;			varieties of all the kinds. In rais-		
very handsome. The seed is slow			ing plants from this seed, the grow-		
to germinate.			er has a good chance to acquire val-		
French Honeysuckle, Red and			uable novelties, <i>b</i> .		
white, mixed.....	3	5c	Geum Coccineum, Scarlet	2	10c
Hedysarum Coronarium, Hardy,			"Scarlet Avens." A Chilian plant		
profuse blooming. Succeeds well			of great beauty, very useful in		
near the seaside. Not to be con-			mixed borders.		
founded with the climbing Honey-			Gladiolus Gandavensis, Splendid		
suckle, as it is quite a distinct spe-			Mixed.....	3	10c
cies.			Lemoinei, Hardy varieties, mixed.	2	10c
Fuchsia Hybrida, Single, finest			Hardy bulbous plants, universally		
mixed, <i>hhp</i>	3	25c	known and admired.		
Double, finest mixed, <i>hhp</i> , (see cut)	3	50c	Gloxinia Hybrida, Finest mixed ...	1	25c
Favorite flowering shrubs. Seeds			A beautiful greenhouse perennial		
saved from the finest named vari-			bulb. Seed saved from the finest		
eties.			erect and drooping varieties.		
Gaillardia Picta, Red and yellow, <i>hp</i> ,	1½	5c	Gypsophila Paniculata, White	1½	5c
Lorenziana, New double, mixed			Very graceful, flowering in panicles		
colors, (see cut).	1½	10c	And excellent for cut flowers, <i>b</i> .		
The "Blanket" flower. Very showy			Heliotropium, <i>hp</i>, Finest mixed ...	3	10c
border plants, <i>b</i> .			"Cherry Pie." Deliciously fra-		
Gazania Splendens, Orange Tr.		10c	grant, also fine for pot culture, <i>b</i> .		
"Black-eyed Susan." A very showy			Heuchera Sanguinea, Crimson, (see		
border plant.			cut).....		15c
Gentiana Aucalis, Intense blue	¼	10c	Allied to the Saxifragas, very gra-		
An Alpine plant of great beauty,			ceful, valuable for cut flowers, <i>b</i> .		
fine for borders and rockwork.					

Heuchera Sanguinea is a fine Florists' flower.



Fuchsia.



Geranium Zonale.

	Height in feet.	Price per pkt
Hibiscus Coccineus, hp. Scarlet....	4	10c
“ <i>Roseus Grandiflorus.</i> Pink.	4	10c
Well known showy perennial shrubs with brilliant flowers.		
Hollyhock. Finest double German mixed.....	5	15c
Chater's superb mixed English ...	5	15c
“ “ Double white.....	5	15c
“ “ “ shaded rose	5	15c

	Height in feet.	Price per pkt.
Hollyhock. Chater's superb Double white shaded purple	5	15c
Chater's superb Double crimson... “ “ cream shaded purple.....	5	15c
Chater's superb double maroon... “ “ pink	5	15c
“ “ “ salmon rose	5	15c
“ “ “ yellow.....	5	15c
Favorite hardy perennials. Will flower the first season if sown early.		



Gaillardia Lorenziana.



Heuchera Sanguinea.

Try our New Perennial Poppies. See Novelty List.

	Height in feet.	Price per pkt.
Honesty. Purple, <i>hb</i>	1½	10
Interesting in a dried state, the membranous lining of the seed pod making a handsome ornament to winter bouquets, <i>b</i> .		
Humea Elegans, <i>hbb</i> . Purplish brown Fragrant Foliage, with feathery blossoms, an excellent pot plant.	2	10c
Hunnemannia Fumaricefolia. Yellow A showy plant belonging to the Poppy family.	1	10c
Hyacinthus Candicans	3	10c
A showy, bulbous plant, throwing up a spike bearing from 20 to 30 Yucca-like flowers, pure white and fragrant.		
Iberis Gibraltarica. White, suffused with rose.....	1	10c
Sempervirens. White.....	1	10c
"Perennial Candytuft." Early spring flowering plants, good for borders and rock work, <i>b</i> .		
Ipomopsis, <i>hb</i> . Fine mixed.....	3	10c
"Texas Plumes," Showy scarlet and gold pyramidal blossoms and feathery foliage.		
Lantana, <i>hb</i> . Finest mixed.....	4	10c
White, rose, and yellow particolored fragrant flowers like the Heliotrope in form, <i>b</i> .		
Lasiandra Macrantha. Blue.....	6	25c
One of the finest autumn flowering evergreen shrubs, producing flowers abundantly 3 to 4 inches across of a rich violet blue.		
Lavatera Arborea Variegata. Purple "Tree Mallow." Foliage very handsome, striped with white and gold.	3	5c
Lavender. Blue.....	3	5c
A hardy shrub, well known and esteemed for its delicious fragrance,		
Linaria Cymbalaria. White.....	Tr.	10c
"Kenilworth Ivy." A neat little plant for rockwork and hanging baskets.		
Linum. Perennial sorts, mixed 1 to "Perennial Flax." Very showy border plants in every shade of color.	2	5c
Lobelia Cardinalis. BrightScarlet.....	2	10c
The "Cardinal Flower." One of the handsomest border perennials with bronze foliage and brilliant scarlet flowers.		
Lupinus. Mixed perennial, all colors.....	4	5c
Very showy border plants, blooming in profusion, <i>b</i> .		
Lychnis Chalcedonica. Bright scarlet " All kinds mixed.....	2	5c
"Jerusalem Cross." Favorite hardy plants for borders and shrubbery, <i>b</i> .		
Marvel of Peru. Finest mixed.....	2	5c
"Four O'clocks." This well known plant has few rivals for beauty, expanding in the afternoon and continuing open all night.		
Matricaria Eximia. Double white... "Feverfew." Very handsome, showy flowers, continuing a long time in bloom, <i>b</i> .	2	10c
Mesembryanthemum Cordifolium. Variegatum Pink.....	Tr.	15c
A pretty trailer, excellent for carpet		

	Height in feet.	Price per pkt.
bedding, pot culture or for rock work.		
Mimulus Cardinalis [Monkey Flower] Dark red.....	1½	10c
Mimulus Tigrinus grandiflorus. Finest mixed, spotted and tighed varieties.....	1½	10c
Brilliant peren'ls, flowering the first season if sown early. Flowers variously blotched and mottled. Also suitable for pot culture.		
Musk Plant [Mimulus Moschatus]. Yellow.....	½	10c
Deliciously fragrant. An universal favorite.		
Myosotis Azorica. "Dark blue.....	½	10c
" Alpestris. Light blue, (see cut)	½	10c
" Dissitiflora, brilliant blue, earliest flowering.....	½	15c
" Palustris Semperflorens, bright blue.....	1	10c
" Finest mixed. All kinds.....	½	10c
"Forget Me Nots." Very beautiful and much prized for spring flowers. Easily grown, although they prefer moist situations, <i>b</i> .		



Myosotis Alpestris.

Nicotiana Colossea	8	15c
"New Giant Tobacco." A biennial with strong tree like trunk and large leaves 3 feet in length, very ornamental for lawns or parks.		
Nertera Depressa, <i>hhp</i> . Scarlet berries.....	¼	15c
"Coral Flowered Duckweed." A charming little plant.		
Nierembergia Gracilis. Silvery lavender.....	1	
Excellent for hanging baskets, edgings, etc.		
Oenothera Lamarckiana. Yellow.....	4	5c
A grand Evening Primrose, with long spikes of yellow flowers.		
Oxalis Rosea. Pink.....	¼	10c
" "Tropeoloides." Yellow,.....	¼	10c
"Shamrock," or Wood Sorrel. Delightful little plants for edgings, hanging baskets and rockwork.		



Pansy—Odier's Five Blotched.



Pansy—Striped or Variegated.

Pansy, or Heartsease.


	Height in feet.	Price per pkt.
Cassier's, very large flowered, finest mixed.....	½	50c
Belgian or Fancy, extra select mixed	½	25c
English, extra select, (see cut), very large and velvety.....	½	25c
German, finest mixed, from the most celebrated pansy grower in Germany.....	½	25c
Giant Trimardeau, mixed, very large and of vigorous growth.....	1	25c
Odier's Five Blotched, (see cut), very fine with a black blotch on each petal.....	½	25c
Scotch Prize, from extra selected prize flowers.....	½	50c
Striped and variegated varieties, mixed, (see cut).....	½	25c
Above best sorts mixed.....	½	25c
The following varieties may be relied upon to come true from seed, and are useful for bedding in masses.		
Attraction, pure white with black centre.....	½	15c
Emperor William, ultramarine blue.	½	15c
Faust, or King of the Blacks, coal black.....	½	15c
Golden Beauty, pure golden yellow.	½	15c
Gold margined, brown with gold border.....	½	15c
Lord Beaconsfield, large purplish violet.....	½	15c
Mahogany colored.....	½	15c
Sky blue.....	½	15c
Victoria, blood red.....	½	15c
Violet, white margined.....	½	15c
White, pure, (Snowflake).....	½	15c
Above colors mixed.....	½	10c

Pansies should be carefully cultivated, and will richly repay liberal treatment. All the above strains are carefully saved from the choicest flowers, and are unsurpassed in color, form and substance, *b.*



Pansy—English—Extra Select.

Our Pansy Seed is the finest strain obtainable.

	Height in feet.	Price per pkt.		Height in feet.	Price per pkt.	
Papaver Bracteatum. Scarlet.....	2	10c		Primula Cortusoides Amœna. Var-		
“ Orientale. Dark red.....	2	10c		ious colors	½	25c
“Perennial Poppies.” Showy border plants, with large bright colored flowers. See also list of novelties.				Obconica, <i>tp.</i> Light mauve.....	½	15c
Pelargonium. Fancy, best and rich- est colors mixed.....	3	25c		The latter is a beautiful little pot plant for indoor culture, flowering in clusters.		
Large flowered, richest colors, mixed	3	25c		Primula Cortusoides Amœna is quite hardy in this section. A very beautiful Primrose with flowers one to two inches in diameter.		
Odier's Five Blotched, fine.....	3	25c				
A favorite bedding and greenhouse plant, with brilliant flowers. Seeds saved only from the finest sorts, <i>b.</i>						
Pentstemon. Finest mixed.....	2	10c				
Fine Herbaceous perennials, very showy in mixed borders, <i>b.</i>						
Petunia. Single. Beautiful Star. Purple, white-blotched, fine.....	1	10c				
Single. Countess of Ellesmere.						
Rose, with white throat, constant	1	10c				
Single. Inimitable. Blotched, very handsome	¾	10c				
Single. Finest blotched and striped, large flowered, mixed....	1	15c				
Single. Large flowered. Fringed, superb mixed (see cut).....	1	25c				
Single. Good mixed.....	1	10c				
Double. Large flowering. Green edged, very fine	1	50c				
Double. Fringed. Superb mixed	1	50c				
Double. Extra fine. Mixed.....	1	25c				
Very ornamental, free flowering plants, for bedding in masses or in borders. They also make good pot plants. The double varieties are particularly fine, and very fragrant. Our seed is the finest German strain, and will produce at least fifty per cent. double flowers.						
Phlox. Perennial. Finest mixed... A very showy, handsome plant, with large heads of flowers.	2	10c	Pyrethrum Roseum.			
Picotee Pink. Finest mixed	1½	25c	Pyrethrum Roseum. Red. [Insect Powder Plant], (see cut)	2	10c	
Splendid hardy Pinks, beautifully marked on edge of petals.			Hybridum. Double mixed [Aster- like flowers].....	2	10c	
Pink, Florist's. From fine show varieties, mixed.....	1	25c	Parthenifolium Aureum [Golden Feather]	½	10c	
“Pheasant's Eye” Pinks. Very fine, usually marked with a ring in centre, double and fragrant, <i>b.</i>			The first two varieties are grown for their flowers, the last is the well- known edging plant.			
Polemonium Cœruleum. Blue.....	2½	10c	Ranunculus. Finest mixed	1	10c	
“Jacob's Ladder.” An old-fashioned English perennial, useful in mixed borders.			Handsome, hardy tuberous plants of brilliant colors.			
Polyanthus. Finest gold-laced va- rieties.....	½	25c	Romneya Coulterii. White, with yel- low centre.....	5	15c	
Charming early-flowering plants, beautifully laced and edged. Should be in all gardens.			“California Mountain Poppy.” A noble plant.			
Primrose. True English yellow.....	½	15c	Rose Champion. Crimson	1½	5c	
An old-fashioned garden favorite, beautiful.			Downy, silvery foliage, with crim- son flowers.			
Primrose, Chinese, tp. Fringed white	½	25c	Rocket, Sweet. Fine mixed.....	1½	5c	
Fringed red	½	25c	“Dames' Violet.” Valuable for borders, free-blooming and sweet scented.			
Finest mixed, single.....	½	25c	Salvia Nutans, hhp. Dark blue.....	2	10c	
Double white.....	½	50c	Patens, <i>hhp.</i> Sky blue.....	2	15c	
Double red.....	½	50c	Splendens, <i>hhp.</i> Dazzling scarlet... “Flowering Sage.” Brilliant flow- ering plants for borders, back- grounds and centres of beds, <i>b.</i>	3	10c	
Double mixed	½	50c	Santolina Chamœcyparissus	2	10c	
Fine pot plants for winter and spring flowering, for indoor cul- ture.			[Lavender Cotton.] A silvery- leaved plant useful for bedding. Foliage is strongly aromatic when rubbed. Also a good border plant.			
			Saxifraga. Fine mixed.....	½	15c	
			“Mother of Thousands,” or “Lon- don Pride,” charming little trail- ing plants for hanging baskets, vases or rockwork.			

Amaranthus Superbus is a fine decorative plant. See Novelty List.



Petunia—Fringed.

	Height in feet.	Price per pkt.
Scabiosa. Tall mixed	2	5c
“ Dwarf double.....	1	5c
“Mourning Bride.” A well-known border plant, free blooming and fragrant, <i>b.</i>		
Sedum. Fine mixed.....	½	10c
“Stone Crop.” Curious and showy plants, fine for carpet beds. Plant in sandy soil.		
Sensitive Plant. Pink.....	2	5c
“Mimosa Pudica.” An interesting plant with the peculiarity of closing its leaves when touched or disturbed.		
Statice Latifolia	1	10c
(Sea Lavender.) A favorite hardy perennial with bright blue flowers, very useful for bouquets and cut flower work; leaves, large and glossy.		
Solanum. Weatherill’s Hybrids, mixed, <i>hh</i>	1	10c
Decorative species for pot culture, bearing orange colored berries in winter and spring.		
Stocks. <i>Biennial and Perennial.</i>		
Intermediate, <i>hb.</i> Finest mixed...	2	10c
“ East Lothian.		
Crimson, very fine.....	2	15c
Intermediate. East Lothian. Purple, very fine.....	2	15c
Intermediate. East Lothian. White, very fine	2	15c
Brompton, <i>hp.</i> Crimson.....	2	15c
“ White.....	2	15c
“ Purple.....	2	15c
“ Finest mixed.....	2	15c
Cocardeau, or Giant Cape Winter, <i>hp.</i> Finest mixed.....	2½	15c
Emperor, <i>hp.</i> Very fine, mixed....	2½	15c
[For Ten-Week Stocks, see Annuals.] All these Stocks are very double, fragrant and handsome. The East Lothian varieties are better sown in the fall. The last three species are splendid decorative bor-		

der plants. The true “Gilly Flowers,” <i>b.</i>		
Sweet William. Hunt’s Auricula Flowered Perfection. Mixed.....	1½	10c
Single. Pure white	1½	10c
Single. Finest mixed	1½	5c
Double. Finest mixed	1½	10c
Well known, and very showy plants for borders; flowering early in spring, <i>b.</i>		
Tritoma Uvaria. Orange scarlet... ..	4	10c
“Red Hot Poker” Plant, throwing up heavy spikes of flowers in fall, very showy.		
Valerian. Mixed	2	5c
An old-fashioned English plant; valuable for mixed borders, <i>b.</i>		
Verbascum Phœniceum. Mixed colors	3	10c
Very showy plants, useful in mixed borders.		
Verbena. Auricula flowered, with white centres (see cut)	Tr.	15c
Blue	Tr.	15c
Italian striped; finely striped and mottled (see cut)	Tr.	15c
Large white.....	Tr.	15c
Scarlet	Tr.	15c
Mammoth, mixed; very large	Tr.	25c
Fine mixed	Tr.	10c
Lemon-scented [Aloysia Citriodora]. Lavender	6	25c
A well-known favorite bedding plant, easily grown, and cared for. The above are splendid strains. The Lemon Verbena is a shrubby perennial in our mild climate, the seed of which is very scarce, <i>b.</i>		
Vinca Rosea. Red	2	10c
Alba. White, with red eye.....	2	10c
Mixed	2	10c
“Madagascar Periwinkle.” Very neat evergreen perennial plants, fine for beds, or pot culture.		
Viola Cornuta. Mixed	½	10c
Odorata [Sweet Violet]. Blue	¼	10c
“ White	¼	10c
“ The Czar. Light blue, very large.....	¼	10c
Odorata. Mixed	¼	10c
With the exception of Viola Cornuta, these favorites are too well known to need comment. Viola Cornuta resembles the Pansies, and is admirably adapted for bedding purposes, <i>b.</i>		
Wall Flower. Single mixed.....	2	5c
Double German	2	15c
Well-known fragrant plants, flowering in winter and early spring, <i>b.</i>		
Wigandia Caracasana. Violet	6	25c
Plants remarkable for the large size of their leaves; much prized as single specimens for lawns and sub-tropical gardening.		
Mixed Flower Seeds, for woodlands, shrubbery, etc. This is a mixture of Hardy Flowers, and will make a dazzling display at little cost. Sow 1 lb. to the acre. Per oz., 25c; per lb., \$3.00.		

- Boronia Serrulata.** (Australian Rose). An elegant and useful shrub, bearing deep, rose-colored, fragrant flowers, with dotted leaves. Height, 5 feet.
- Bossiaea Scolopendrium.** (Plank Plant). A curious shrub, with flat, naked, toothed branches, the teeth bearing yellow and red flowers. Height, 6 feet.
- Callicoma Serratifolia.** A shrub attaining the height of 4 feet, with serrate leaves and yellow flowers.
- Callistemon Pinifolia.** A handsome shrub resembling *Metrosideros*, with narrow Pinus-like leaves, and crowded scarlet inflorescence. Height, 4 feet.
- Calythrix Tetragona.** A very pretty and interesting heath-like shrub, with white flowers. Height, 2 feet.
- Cassinia Alba.** A handsome shrub, with numerous whitish yellow flowers. Height, 4 feet.
- Ceratopetalum Gummiferum.** A gum-bearing tree, with very ornamental yellow flowers in terminal panicles. Height, 30 feet.
- Clematis Aristata.** A very rare variety, with greenish yellow flowers. A fine climbing plant.
- Correa Speciosa.** A slender growing, elegant shrub, bearing pendant flowers of bright scarlet, tipped with green. Height, 3 feet.
- Crowea Saligna.** (Willow-like). A very useful decorative shrub, with lanceolate leaves and bright pink flowers. Height, 2 feet.
- Daviesia Ulcina.** An elegant shrub, growing to the height of 5 feet, with profuse racemes of orange yellow flowers.
- Dillwynia Ericæfolia.** A very ornamental, heath-like shrub, with yellow flowers and numerous slender leaves. Height, 3 feet.
- Eleocarpus Cyaneus.** A handsome small tree, with white flowers and blue fruits. Not edible. Height, 15 feet.
- Eriostemon Nerifolium.** (Oleander leaved). A beautiful shrub with lanceolate leaves and bright pink flowers. Height 3 feet.
- Gompholobium Latifolium.** A handsome shrub with golden yellow flowers an inch long. Height 2 feet.
- Grevillea Hillii.** A fine small tree, with evergreen, poplar-like leaves. Height, 15 feet.
- Grevillea Incarnata.** A handsome shrub, with tomentose leaves, and flesh-colored flowers. Height, 6 feet.
- Grevillea Linearis.** A low growing shrub, with flowers of a bright red, tipped with yellow. Height 3 ft.
- Grevillea Punicea.** An erect shrub, with bright scarlet flowers; very fine and rare. Height, 5 feet.
- Hovea Longifolia.** A handsome shrub, with intense purple flowers and oblong lanceolate leaves. Height, 10 feet.
- Indigofera Australis.** A handsome species, with pinnate leaves, and rose colored flowers. Height 4 ft.
- Jacksonia Scoparia.** "Australian Dog Wood." A curious leafless shrub, with yellow flowers in one-sided racemes. Height, 4 feet.
- Lagunaria Patersonii.** A handsome small tree, with flowers, somewhat resembling a double Hibiscus in form, blush colored. Height, 20 feet.
- Leptomeria Billardierii.** (Australian Currant). A slender shrub, attaining a height of 6 feet, with minute white flowers, disposed in numerous spikes. Fruit greenish red, edible.
- Mirbelia Speciosa.** A showy shrub, with terminal, purple flowers. Height, 2 feet.
- Monotoca Scoparia.** An Epacris-like shrub, with white flowers. Height, 5 feet.
- Olearia Dentata.** A beautiful shrub, with rosy white flowers, and densely tomentose branches and leaves. Height 2, feet.
- Oxylobium Trilobatum.** A low-growing shrub, with bright yellow flowers, in terminal racemes, and leaves somewhat resembling the holly. Height, 2 feet.
- Patersonia Sericea.** A handsome perennial of the Iris family, with deep violet blue flowers, in many flowered spikes, usually 1 foot or more in length; very fine.
- Persoonia Lanceolata.** An ornamental shrub, with yellow flowers and lanceolate leaves. Height 4 ft.
- Petrophila Pulchella.** A pretty shrub, with white flowers and pinnate leaves. Height, 8 feet.
- Pimelia Linifolia.** A compact-growing shrub with flax-like leaves and white flowers in globular heads. Branches slender and twiggy. Height, 3 feet.
- Platylobium Formosum.** A beautiful shrub with curious yellow flowers. Height, 4 feet.
- Prostranthera Violacea.** (Australian Mint Tree). A handsome shrub with strongly-scented foliage and bluish purple flowers. Height, 4 feet.
- Pultenea Stricta.** An upright growing compact shrub with bright yellow flowers. Height, 3 feet.
- Smilax Glycyphylla.** (Australian Smilax or Tea Plant). A climbing plant with sweet leaves and greenish white flowers.
- Telopea Speciosissima.** (Waratah, or Australian Tulip). One of the most gorgeous and showy shrubs yet introduced. Flowers crimson-scarlet in large heads, which are discernible at a great distance. Height, 8 feet.
- Thysanotus Juncus.** (Australian Fringed Lily.) A very elegant plant of the lily family, with purple flowers and rush-like leaves. Stems slender and loosely branched. Height about 2 feet.
- Viminaria Denudata.** (Australian Rush Broom). A curious plant with rush-like stems, and orange yellow flowers, in long terminal racemes. Height, 10 feet.
- Xanthorrhæa Hastilis.** (Australian Grass Tree). A very ornamental plant, with leaves 3 to 4 feet in length; spear-shaped. Flowers white, on spikes 1½ to 2 feet in length. A very conspicuous plant.
- ZAMIA SPIRALIS.** A beautiful Cycad. Like other varieties of this group it is intermediate between the Tree Ferns and Palms. This is one of the best of the genus. Per seed, 10c.

Tree and Shrub Seeds.



The importance of Timber Culture is universally recognized. History shows that many countries occupied by some of the greatest nations in ancient times, and which were then fertile and productive, have been rendered sterile and barren, owing to the denudation of their forests, as nearly every one knows.

Trees especially on hillsides, are absorbent, retentive and retard evaporation, thereby assisting to prevent floods in winter and drought in summer. The supply of fuel is also a vital question for Southern California, and to attain that end, the varieties of Eucalypti and other rapid-growing trees are being largely planted.

The value of *Trees* for shade and shelter purposes need not be enlarged upon. In raising all kinds of *Tree Seeds* successfully, the process of growth and germination in their natural habitat should be imitated as closely as possible. Thus the cones of *Conifers* shed their Seed, which falls under the tree, generally on a light soil, enriched by generations of fallen needles or "tags," at the same time it is sheltered from too much wet by the pyramidal thick foliage of the tree, which also shades the young seedlings from the direct hot sun, and thus protected, under somewhat humid conditions, germination is sure and rapid. On the contrary, *Seeds of Deciduous Trees* lie exposed on the surface of the ground to the action of the rain and frost, till the spring, when the weather being sufficiently warm, they germinate rapidly. As a rule, all *Tree and Shrub Seeds* germinate slowly, compared with vegetable or Flower Seeds.

All hard Seeds, as *Acacias*, *Locust*, *Gymnocladus*, *Osage Orange*, etc., should be soaked for 24 hours in warm water, say at 120 degrees, before sowing, or where practicable, strew dry leaves or bushes over the beds after sowing and watering, and set fire to them.

Deciduous Tree Seeds should be planted in this section in winter or very early in the spring, as most of these seeds lose their vitality very rapidly. The soil should be well prepared, rich and deep; and the Seed should always be sown in drills, and the ground kept thoroughly free from weeds. *Evergreen Tree Seeds* should be sown in boxes or pans, thoroughly well drained, and should be protected from the sun by being placed under the shelter of a hedge or fence. They are best sown in spring or fall, and should be carefully transplanted when necessary.

As many *Tree Seeds* are collected in distant countries, and will sometimes fail to germinate, although they may appear well enough to the eye, we wish it to be distinctly understood that we will not in any way be responsible for their failure; but, at the same time, we will use every endeavor to supply only the best.

All *Tree and Shrub Seeds* quoted in this list at less than 50c per ounce we can supply at 15c per packet; those quoted at 50c and upward per ounce, 25c per packet. No deviation from this rule. No half-ounces of any *Tree Seeds* supplied that are offered at less than \$1 per ounce.

AUSTRALIAN TREE AND SHRUB SEEDS.

We make a separate category of these, as from their value they are worthy of it. The visitor to Australia, at any season, will at once notice that all the indigenous vegetation is evergreen. The writer does not know one deciduous tree or shrub native to that country.

The most valuable are, of course, the Eucalypti. These possess great antiseptic properties, and are, no doubt, also of great value in absorbing moisture from the bottom soils, thus preventing malaria. Their value as rapid growing timber is also great, some varieties making excellent fuel, while others are nearly unflammable, but are useful in carpentry, and for railway ties, platforms, piles, jetties, etc. Others are very ornamental, bearing showy flowers.

	Height in feet.	Price per oz.	Price per lb.
Acacia Albicans. Flowers whitish yellow. Very compact.....	6	\$1.00	
“ Armata. “Prickly Acacia.” Much used for hedges. Good for the sea coast...	15	.40	\$4.00
“ Dealbata. “Silver Wattle.” Very ornamental.....	15	.40	4.00
“ Decurrens. “Green or Black Wattle.” (See cut). A medium sized tree of rapid growth, very useful for windbreaks. It is also very rich in tannin. Wood is valuable for fuel, and for turner's and coopers' work.....	30	.40	3.00
“ Floribunda. Ornamental, with very abundant, handsome flowers. Valuable for lawns, parks, cemeteries, etc.....	25	.40	4.00
“ Latifolia. A handsome shade tree, succeeding especially well near the sea coast. Leaves broad, with yellow flowers. Native of South Africa.....	40	.50	5.00
“ Longissima Floribunda (see cut). A scarce, new variety, very ornamental, the finest of the genus.....	20		
“ Lophantha. [<i>Albizzia Lophantha</i>]. “Cape, or Crested Wattle.” One of the most rapid growing plants for first temporary shelter, succeeding in the most desolate places.....	15	.30	3.00
“ Melanoxylon. “Blackwood.” In sheltered, irrigated glens, this tree will reach a height of from 80 to 100 feet, with a trunk several feet in diameter. The timber is very valuable for all cabinet makers' work.....	80	.35	3.50
“ Mollissima. An abundant blooming tree, very ornamental and suitable for lawns and shrubbery.....	25	.40	4.00
“ Ornithophora. “Kangaroo Acacia.” For hedges and windbreaks, making a close, impervious hedge.....	15	.40	4.00
“ Pycnantha. “Golden Wattle.” (See cut.) Of rapid growth, doing especially well near the sea coast, and containing a large quantity of tannin.....	40	.30	3.00
“ Suaveolens. A pretty variety of pendulous habit.....	8	.40	4.00
“ Trovissima. Thorny; for hedges. Growth rapid.....	10	.40	4.00



Acacia Decurrens.



Araucaria Excelsa.

Araucaria Excelsa. Norfolk Island Pine. [Seed expected]. A noble Conifer of symmetrical growth, and endures the heat well, having a truly majestic appearance, (see cut)..... 200 1.50

Boronia Megastigma. A beautiful little shrub. Flowers copper color, with a powerful violet odor. Very rare. Seed germinates slowly. [Only in pkts]. Per pkt., 50c 3



Acacia Longissima Floribunda.

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Acacia Pycnantha.

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	Height in feet.	Price per oz.	Price per lb.
Brachychiton Acerifolium. [Flame Tree]. Of fine, sturdy, pyramidal growth, with large, handsome foliage, producing masses of scarlet flowers.....	20	.30	3.00
Casuarina Equisetifolia. "Beefwood." Wood very durable under ground for piles and jetties.....	150	1.00	
" Quadrivalvis. "Coast She Oak," Very valuable for sea coast culture, to prevent the inroads of the sea upon sand hills. Of quick growth. Wood valuable for shingles, etc.....	60	1.00	
" Stricta. "She Oak." Is tougher than the other species. Excellent wood for tool handles.....	30	1.00	
" Suberosa. "Erect She Oak." A beautiful shade tree. Valuable for fuel..	60	1.50	
" Torulosa. "Forest Oak." Wood very valuable for timber, also for fuel, burning to a clear white ash, and leaving no cinders.....	75	1.00	
Eucalyptus Amygdalina. "Messmate Gum." Belonging to this variety are the tallest trees in the world. In Gippsland, Australia, are trees over 500 feet in height. Makes first class timber for flooring boards, scantling, etc., and is well suited for avenue planting. Yields more essential oil than any other variety.....	400	1.00	
" Baileyana. Timber splits easily and is straight-grained. Much used in Queensland for shingles. Branches spreading, with dense foliage.....	100	1.50	
" Bicolor. [Black Box]. Timber of great strength and durability. Useful for piles and railroad ties.....	150	1.00	
" Callosa. Not to be confounded with "Collossea." A scarce variety from Western Australia. Timber of good quality, and more easily worked than most of the other kinds. Also good for fuel.....	200	2.00	

We have the largest collection of Eucalypti Seeds in the country.



Eucalyptus Globulus.

Eucalyptus Goniocalyx.

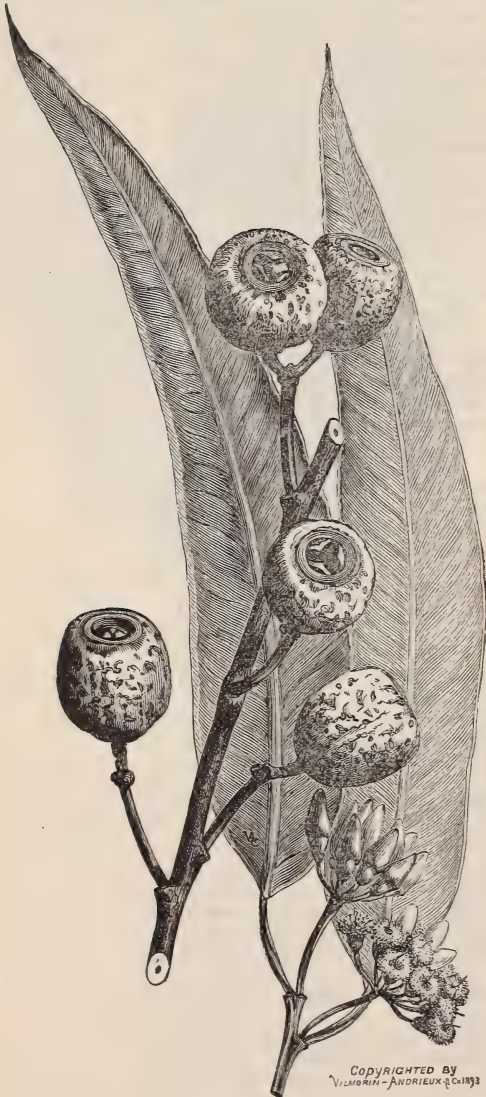
	Height in feet	Price per oz.	Price per lb.
Eucalyptus Calophylla. Ornamental, of rapid growth, with white flowers. Timber also valuable for carpentry above ground.....	50	1.50	
" Citriodora. [Lemon-scented Gum]. A fine ornamental tree with lemon-scented foliage, supplying also an useful timber. Being a native of Queensland it is more tender than most other kinds.....	80	3.00	
" Cornuta. "Yale Tree." A rapid growing variety, and very hardy. Wood very durable, heavy and elastic, and considered equal to Ash...	100	1.50	
" Corymbosa. "Blood Wood." Wood of a dark red color, easily worked while fresh, but when dry becomes very hard. Useful for fence posts and railroad ties, being durable underground. The numerous gum veins render it of little use for sawing purposes.....	200	1.50	
" Corynocalyx. "Sugar Gum." Very ornamental, rapid growing with dark green leaves. Highly valued in this vicinity. Timber very durable and used for railroad ties One of the best.....	120	1.50	15.00
" Crebra. [Narrow-leaved Ironbark]. Wood reddish, heavy, elastic and durable, is ant and teredo proof. Useful for railroad ties, bridges and piles.....	100	1.50	
" Ficifolia. [Scarlet-flowered Fig-leaved Gum]. The most ornamental of the family. Flowers bright crimson, produced well above the foliage. One of the most effective trees in cultivation. Per 100 seeds, \$2.00; 20 seeds, 50c.....	20		
" Fissilis. "Victorian Yellow Gum." A large, rapid growing variety. Wood easily split, straight grained, and used for floor boards, scantling, etc	200	2.00	

Eucalyptus Ficifolia is a remarkably showy tree with bright crimson flowers.

	Height in feet.	Price per oz.	Price per lb.
Eucalyptus Globulus. "Tasmanian Blue Gum." (See cut.) Well known; one of the most useful of all, and a very rapid grower. Planted largely in all warm countries, on account of its malaria destroying qualities. Remarkably good for fuel, being easily sawn and split. Imported seeds California saved seed.....	150	.50 .30	5.00 3.00
" Goniocalyx. "N. S. W. Blue Gum." (See cut.) Wood very durable, hard and tough. Much used in its native country by wheelwrights. A rapid grower.....	200	1.00	
" Gunnii. "Tasmanian Cider Tree." Probably the hardiest of the genus. Will stand a considerable amount of frost. Recommended for all elevated and exposed positions. Good for fuel.....	80	1.50	
" Hcemastoma. "White Gum. Good for fencing and rough building material, also makes a fair fuel. Grows particularly well on sandy soil....	150	1.50	
" Hemiphloia. "Common Box." Wood very hard, strong and durable above ground. Also a first class fuel for all purposes.....	150	1.00	
" Leucoxydon. "Victorian Ironbark." Very hard, strong and durable, excelling Hickory in strength. Recommended for underground work in mines, and for railroad ties, bridges, etc.....	100	2.00	
" Longifolia. "Woolly Butt." A large tree, of great girth, growing well in any soil. Timber is durable and makes excellent fuel. The leaves yield a volatile oil.....	200	1.00	
" Maculata. "Spotted Gum." Wood as strong as English Oak. Extensively employed in ship building and wheelwright's work.....	100	1.50	
" Marginata. "W. A. Jarrah." (See cut). Impervious to teredo and ants, and much sought after for jetties and piles, and largely exported for railroad ties. The timber is easily worked and takes a beautiful polish. Furniture made from this wood is much admired. It is of quick growth and of immense size. Suited to dry, barren soils.....	200	1.50	
" Meliodora. "Black Ironbark." Of spreading growth, with a comparatively stout stem, and makes excellent fuel. The young trees are largely used for telegraph poles, and the flowers are much sought by bees. One of the strongest and most durable timbers in the world.....	120	1.50	
" Obliqua. "Stringy Bark." A quick grower and produces the best wood for flooring, scantling and shingles. Inferior as fuel, but makes the best charcoal for the forge.....	300	1.00	
" Obtusifolia. "Yellow Blackbutt." A rapid growing variety, very good for fuel. Also useful for staves, cooper's and wheelwrights' work.....	120	1.50	
" Paniculata. "White Iron Bark." Wood hard and durable, excellent for railroad ties. Also much used for building and fencing, as it splits well and is lasting under ground.....	150	1.00	
" Paniculata Microphylla. "She Iron Bark." Leaves smaller than those of the preceding variety. Wood softer and easier to work, than that of the other Iron Barks. Also good for fuel.....	100	1.50	
" Pilularis. "Black Butt." Of rapid growth. One of the best timber yielding species, much used for flooring boards, railroad ties and telegraph poles.....	300	1.50	
" Piperita. "Peppermint Gum." Timber valuable for shingles, fence rails, etc. Yields a greater quantity of oil than any other variety, and is of remarkably quick growth.....	300	1.50	
" Polyanthema. [Australian Beech.] The timber is much used for mining purposes, and for all underground work, being remarkably hard and durable. Also an excellent fuel.....	150	1.50	
" Regnans. [Royal Mountain Ash.] A very scarce variety, growing to a large size, and very hardy. Grows on the high slopes of the Australian Alps, near the snow line. Timber durable, and excellent for fuel. Per pkt., 25c.....	200		
" Resinifera. "Forest Mahogany." A superior timber, of large size, prized for its strength and durability. Fine for interior house work.....	200	1.00	
" Robusta. "Swamp Mahogany." (See cut). Thrives best in low grounds, especially near the sea coast. Timber strong and durable, and is much used where strength and resistance to strains is required. A remarkably healthy, robust variety. Much used for street planting in this vicinity.....	150	1.50	
" Rostrata. [Red Gum]. Well known, and highly esteemed in this section. The timber is unsurpassed for durability, and is used for railroad ties, street pavements, ship building, etc.....	200	.75	7.50
" Saligna. "Weeping Gum." Very ornamental. Leaves and general habit are like the "Babylonian Willow." Good for fuel.....	75	1.50	
" Sieberiana. "Gum Top." Wood of excellent quality, strong and elastic, and may be used for all purposes where Hickory or Ash are at present used. It splits easily, and is soft to work. Also a most excellent fuel....	150	1.50	
" Siderophloia. "Red Iron Bark." Wood very hard, light colored and heavy, of great strength and durability, and is used for railroad ties, spokes,			

Eucalyptus Robusta is a splendid tree for avenue or street planting.

	Height in feet.	Price per oz.	Price per lb.
shingles, bridges, jetties, etc. It is stronger than Hickory. As fuel, it gives more heat than any other kind.....	200	1.00	
Eucalyptus <i>Stuartiana</i> . "Apple-scented Gum." A medium-sized tree, with drooping branches. Will thrive on any soil. Wood very dark and handsome, and takes a good polish. Useful for cabinet work, also good for fuel...	100	1.50	
" <i>Tereticornis</i> . "Gray Gum." A very handsome, large growing variety. Wood durable and useful for shingles, flooring, etc. Also an excellent fuel.....	200	2.00	
" <i>Viminalis</i> . "Manna Gum." A hardy, rapid growing variety, and well suited for exposed situations. On rich soils it grows to a gigantic size. The wood may be used for ordinary building purposes, also for fuel. The young bark and leaves yield Australian Manna, a hard, opaque, sweet substance. Imported seed.....	300	1.00	
California saved seed.....		.75	7.50
Ficus <i>Australis</i> . [Australian Ban Yan Tree.] A fine evergreen tree, very useful for shade and shelter purposes. This and the following variety are hardy in the neighborhood of Los Angeles, but in districts experiencing sharp frosts they should be sheltered until they are four years old, and well established.	40	1.50	
" <i>Macrophylla</i> . "Moreton Bay Fig," or "Long-Leaved Rubber Tree." A magnificent ornamental shade tree, with large, bright, glossy green, leaves....	100	1.50	



Eucalyptus Marginata.



Eucalyptus Robusta.

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Grevillea Robusta.

	Height in feet.	Price per oz.	Price per lb.
Grevillea Robusta. [Silky Oak Australian Fern Tree.] (See cut.) A well known shade tree, with fern-like foliage and orange flowers, of rapid growth, and capable of resisting drought to a remarkable degree. [For other Grevilleas see list of Australian plants of late introduction].....	100	.60	6.00
Pittosporum Eugenioides. A valuable evergreen for lawns, parks or cemeteries; of graceful form, and bright, light green foliage. It is suitable for tall garden hedges. From South Australia.....	15	.50	
Pittosporum Undulatum. A native of Southeastern Australia. Handsome evergreen with highly fragrant flowers. Produces a wood well adapted to turner's purposes, and also as a substitute for box-wood.....	15	.50	
Nigricans. Dark brown.....	10	.50	
Sterculia Heterophylla. [Brachychiton Diversifolium]. A very ornamental tree, with poplar-like foliage, per pkt., 15c.....	40		

CONIFER AND MISCELLANEOUS EVERGREEN TREE AND SHRUB SEEDS.

All seeds quoted at less than 50 cents per ounce, we will supply at 15c per packet; those quoted at 50 cents and upwards at 25c per packet. No deviation from this rule.

Abies Douglassii. "Douglass's Spruce." Foliage rich blue, wood reddish, coarse grained, heavy, strong and valuable.....	200	\$0.60	\$6.00
" Menziesii. "Menzie's Spruce." A native of Oregon. An excellent timber tree, strictly pyramidal in form. Very handsome.....	200	.75	7.50
" Nordmanniana, "Nordmann's Spruce." Is handsome, hardy and highly prized. Massive dark foliage, silvery underneath.....	75	.50	5.00
Araucaria Imbricata. "Monkey Puzzler." Most beautiful for lawn decorations. Leaves stiff, smooth, shining deep green, sharply pointed, entirely covering the branchlets.....	50	.50	
Arbutus Unedo. "Strawberry Bush." An elegant evergreen, with white, bell-shaped flowers, followed in autumn by handsome scarlet berries.....	10	.25	2.50
Buxus Sempervirens. "Evergreen Box." A hardy, compact growing evergreen of dwarf habit.....	8	.20	2.00
Camphora Officinalis. "Camphor Tree." From this tree the Gum Camphor of commerce is extracted. An avenue of these trees is superb, the tree being of upright habit, the top forming a dense crown, with glossy, light green leaves.....	50	.50	5.00
Cedrus Deodara. [Himalayan Cedar]. A noble and beautiful evergreen of pyramidal form, foliage bluish green, graceful and drooping.....	100	.60	6.00
" Libani. [Cedar of Lebanon]. A most beautiful evergreen for lawn decoration.....	80	.75	7.50
Cinnamomum Sericeum. "Cinnamon Tree." Very interesting and ornamental, with deep, glossy green leaves. From the root bark is prepared the Cinnamon of commerce. Should be in every collection of rare plants.....	10	.75	8.00
Cryptomeria Elegans. "Fine-leaved Japan Cedar." Foliage glaucous green, resembling a feathery Araucaria, which in winter turns to reddish brown. Should be universally planted on account of its great beauty..	50	1.00	
" Japonica. "Japan Cedar." A splendid conifer for isolated situations on lawns.....	75	.50	5.00
Cunninghamia Sinensis. A lofty evergreen tree, resembling the Araucaria Excelsa in foliage, but more feathery, and less rigid ..	100	2.50	
Cupressus Goveniana. "Goven's Dwarf Cypress." A native variety from the Coast Range around Santa Cruz. Very ornamental.....	30	.50	5.00
" Guadalupensis. "Blue Cypress." A rapid growing upright variety, with bluish foliage. Very ornamental for lawns and cemeteries.....	40	.50	5.00

Camphor Trees are fine for street planting.

	Height in feet.	Price per oz.	Price per lb.
Cupressus Lawsoniana. "Lawson's Cypress." A native variety found in northern California and Oregon. Wood white, fragrant, fine and close grained. Generally known as Oregon or White Cedar.....	100	.50	5.00
" MacNabiana. "McNab's Cypress." Found around Mt. Shasta at a high altitude. Leaves small, and deep green in color.....	10	.40	4.00
" Macrocarpa. "Monterey Cypress." Too well known to need description. Useful for hedges or wind breaks.....	50	.10	1.00
" Sempervirens. "Italian Cypress." An European variety, very long lived, and the wood of which is almost imperishable. Fine for planting over archways, etc., as it can be trained to any required form, and bears clipping as well as Yew.....	70	.30	3.00
Duranta Plumierii. A pretty evergreen shrub, with bright blue flowers. May also be used for ornamental hedges, as it stands clipping well. Per pkt., 15c.....	15		
Escallonia Floribunda. A well known shrub with oblong, finely-crenulated leaves and white flowers. Per pkt., 25c.....	10		
Euonymus Latifolius. "Spindle Tree" A handsome American shrub, with dark, glossy green leaves.....	8	.25	2.50
Ficus Elastica. India Rubber Tree of commerce, very ornamental, (see cut).....	40	1.50	
Ilex Aquifolium fol. argentis variegatis. (Silver Variegated Holly).....	10	.30	3.00
" Aquifolium fol. aureis variegatis, (Golden Variegated Holly).....	10	.30	3.00
These two varieties are variegated forms of the English Holly, or Christmas Bush, and will yield at least 50 per cent. of variegated leaved plants.			
Jacaranda Mimosaefolia. "Brazilian Jacaranda." A handsome tree with fern-like foliage, and magnificent clusters of light blue flowers. Hardy in this vicinity. In colder localities would require protection. 75c per 100 seeds, \$6 per 1000	25		
Juniperus Virginiana. (Red Cedar). A well known American tree. One of the best as a windbreak, and it will stand clipping and trimming to any desired form.....	50	.20	1.50
Libocedrus Decurrens. "California White Cedar." Native of this coast from San Diego to Oregon. Well adapted for windbreaks, and can be used for hedges. Wood light and strong, and can be used for fence rails, etc.....	100	.40	4.00
Ligustrum Japonicum. "Japan Privet." A strong growing shrub, and one of the best hedge plants. Will bear trimming to any desired form. Flowers white.....	12	.25	2.50
Magnolia Grandiflora. (Large flowering Magnolia.) A native of the Southern States, where its presence indicates good soil. The noble, cup-shaped, pure white flowers, and its large green leaves, brown underneath, render it par excellence, the king of evergreen trees. Thrives and flowers well in California.....	100	.25	2.50
Mahonia Aquifolia. A native shrub, bearing yellow flowers, succeeded by clusters of blue berries.....	5	.30	3.00
Oreodaphne Californica. "Native Bay." A well-known native tree, growing between the coast mountains and the sea.....	30	.30	3.00
Parkinsonia Aculeata. "Jerusalem Thorn." A very ornamental shrub, with foliage similar to some Acacias. Flowers yellow, sweet scented, in pendulous racemes. May also be used for hedges in warm situations. Per pkt., 15c.....	10		
Pinus Austriaca. (Black Austrian Pine.) Remarkably robust, hardy and of spreading habit. Leaves long, stiff and dark green, and of rapid growth. Very valuable for lawn planting in this country.....	100	.15	1.50
" Canariensis. ("Canary Island Pine.") Very robust and healthy, with bright green leaves. Grows nearly as fast as the "Monterey Pine." We can highly recommend this variety for this section.....	50	.60	6.00
" Cembra. "Stone Pine." Handsome conical form, erect and branching.....	100	.15	1.50
" Contorta. [Mugho.] "Twisted Pine." A small tree, with wide, spreading and somewhat twisted branches. Native of Oregon.....	30	.60	6.00
" Coulterii. [Macrocarpa.] "Big Cone Pine." A fine native tree, of very robust growth, with bluish-gray leaves a foot in length. Has the largest cone of all pines, sugar-loaf shaped, and edible.....	100	.40	4.00
" Insignis. "Monterey Pine." This well-known native variety is of very rapid growth, and succeeds well in any kind of soil. Should be allowed plenty of room.....	80	.25	2.50



Ficus Elastica.

	Height in feet.	Price per oz.	Price per lb.
Pinus Laricio. "Corsican Pine." A large, rapid-growing, majestic tree, resembling the Austrian Pine	80	.30	3.00
" Maritima. "Seaside Pine." Well adapted for planting near the sea, thriving well in a saline atmosphere	60	.15	1.00
" Strobus. "Weymouth or White Pine." A stately, straight and valuable tree. Wood white, and the most extensively used in the Eastern States for carpentry	100	.25	2.50
" Sylvestris. ["Scotch Fir."] The economic value of this tree is well proven. Growing in the most sterile soils, the humus, or decayed vegetable matter, formed by this tree, will double that from any deciduous variety. Wood valuable, though usually more knotted than that of the White Pine	100	.15	1.25
Picea Amabilis. "Lovely Silver Fir." Leaves bright green above, silvery underneath. A beautiful evergreen for lawns. Native of Oregon	80	.75	7.50
" Concolor. "Black Balsam." Native of the Pacific Coast, growing on the mountains at an elevation of 5000 feet and upwards	100	.75	7.50
" Grandis. "Great Silver Fir." A handsome ornamental tree. Wood soft, white and coarse grained, useful for flooring, etc. Native of California and Oregon	200	.60	6.00
" Nobilis. "Noble Silver Fir." Leaves 1½ inches long, rigid, curved upwards, white underneath. Found extensively around Mt. Shasta. A majestic conifer	200	.60	6.00
Pittosporum Tobira. A handsome shrub. Native of Japan. The leaves are dark green, shining, oblong and borne in whorls. The bush is of uniform globular shape, and almost covered in summer with white flowers resembling orange blossoms, and fully equal in fragrance. Per pkt., 50c; 100 seeds, \$1.00	10		
Schinus Molle. "Mexican Pepper Tree." A well-known handsome shade tree, with light feathery foliage, and bright scarlet berries. Habit very similar to the Weeping Willow	50	.10	1.00
Sciadopitys Verticillata. "Japan Umbrella Pine." Curious and remarkable. Leaves are a dark glossy green, crowded into whorls at the joints of horizontal branches. Very ornamental. Per kpt., 25c.	15		
Sequoia Gigantea. "California Big Tree." The biggest of all trees, and probably the most long lived. Specimens are often found 400 feet in height. Wood soft and white, when first felled, afterwards it turns red. It is very durable and makes a handsome park tree	300	1.00	10.00
" Sempervirens. "California Redwood." Well known. Wood reddish, soft, close veined, easily split, light and brittle, but very durable. It luxuriates in the cool dampness of sea fogs. Ornamental for lawns or parks	200	.40	4.00
Solanum Erectum. [Betaceum.] "Guatemala Tree Tomato." A handsome evergreen of good form, and bearing yellow fruits the size of an egg, with a pleasant sub-acid flavor, and which may be eaten raw, or made into an agreeable jelly. Per pkt., 25c.	8	4.00	
Sterculia Platanifolia. "China Parasol" Tree. Very ornamental, with large, plane-like leaves. This makes an excellent tree for avenue or park planting	40	.40	4.00
Thuja Aurea. "Golden Arbor Vitæ." A dwarf Chinese variety; compact and globular in shape; top foliage yellowish green; very suitable for lawns, cemeteries, etc.	6	.40	4.00
" Aurea Semper-aurea. "Ever Golden Arbor Vitæ." Of dwarf habit and free growth. It retains its golden color the year round. One of the prettiest dwarf evergreens for the lawn	4	1.00	
" Compacta. "Compact Arbor Vitæ." A handsome dwarf variety, of compact, globular form	5	.35	3.50
" Gigantea. "Giant Arbor Vitæ." A very large and graceful tree. Native of Northern California and Oregon	200	.75	7.50
" Occidentalis. "American Arbor Vitæ," or "White Cedar." A common and well-known tree. Native of the Atlantic States	50	.30	3.00
" Orientalis. "Chinese Arbor Vitæ." A small, elegant tree, peculiar from its flattened branches, which are dense and light green in color. Valuable for the lawn	10	.25	2.50
Torreya Californica. "California Nutmeg." A symmetrical tree, with a clear, straight trunk. Wood light colored, close grained, hard and firm	60	.20	2.00
Viburnum Tinus. "Laurustinus." One of the finest winter flowering shrubs, blooming abundantly during the winter. Flowers waxy white in clusters. Also a valuable hedge plant	12	.20	2.00
Vitex Agnus Castus. "Chaste Tree." An aromatic evergreen shrub, with whitish-blue flowers, very ornamental	15	.15	1.50

	Height in feet.	Price per oz.	Price per lb.
Sophora Japonica. "Japanese Sophora" An ornamental, medium-sized tree, with fern-like foliage, producing large bunches of cream colored flowers. Of rapid growth, and will thrive in any soil.....	20	.25	2.50
" Japonica Pendula. "Weeping Sophora." One of our most ornamental weeping trees, with long trailing branches, the bark of which is bright green	12	.25	2.50
Syringa Vulgaris. "Purple Lilac." The common variety. One of the best; flowers and young foliage fragrant.....	8	.30	3.00
" Vulgaris Alba. "White Lilac." One of the best white varieties.....	8	.30	3.00
Tamarix Canariensis. Has foliage somewhat resembling a Juniper. Good for planting near the sea coast, or in any exposed situation.....per pkt., 25c	10		
Ulmus Campestris. "English Elm." A noble ornamental tree, with wide spreading head and drooping branches.....	150	.15	1.50
Virburnum Opulus. "Snowball," or "Guelder Rose." An interesting shrub, with compact heads of snowy white flowers.....	15	.20	2.00
Weigelia Rosea. A vigorous spring flowering shrub, with fine, rose-colored flowers; should be in every collection.....per pkt., 25c	3		

Fruit Seeds.

CULTURAL DIRECTIONS.

Apple, Pear and Quince. The seeds of these varieties may be planted any time during the winter or early spring. Soak the seeds in tepid water for three days, and change the water each day, or soak in cold water for eight or nine days, then sow lightly in drills two feet apart.

Cherry, Plum, Peach, Almond, Etc. The cultural directions given for the Walnut, so far as germinating the seed is concerned, may be followed; should however, the quantity be small, the pits may be placed in layers in boxes placed on the ground in a sunny exposure. Sprinkle over each layer a coating of sand. Layers may be four to six deep. Keep constantly moist, but not soaking. As the young plants appear above ground, they should be carefully removed and planted in nursery rows three feet apart. A cloudy day is most suitable for this work.

Walnut. The culture of the Walnut is the same as for all stone fruits. The seed may be planted in beds, during winter or spring, covering about one inch deep, and kept moist, but not wet, until they germinate, which will be in about three or four weeks, according to the temperature.

As soon as they crack and show the sprout, they should be transplanted to the nursery rows, four and one-half to five feet apart, and six inches apart in the row. They will grow the first year without irrigation six to twelve inches, and with irrigation six inches to four feet; the second year from four to eight feet without irrigation, and about the same with it. They make a better tree to plant where irrigation is not practiced.

If ordered by mail 10 cents. per pound additional will be charged to cover postage. Prices subject to fluctuation. Quotations for large quantities given on application.

	Price per oz.	Price per lb.		Price per oz.	Price per lb.
Almond, Hard-Shell'd [Prunus Amygdalus Communis] per 100 lbs. market price.....		\$0.20	Peach, Seedling [Prunus Amygdalus Persica]. Price on application.		
Apple [Pyrus Malus]. Useful as a grafting stock.....	10c	.50	Pear [Pyrus Communis]. Used as a stock.....	20c	\$2.00
Apple, French Crab. A superior stock.....	10c	.75	Plum, Myrobolan [Prunus Communis] A splendid stock on which to graft other varieties.....	10c	.60
Apricot Pits [Prunus Armeniaca] Price on application.			Quince [Cydonia Communis]. Quinces generally produce the same variety from seed, but occasionally vary. The stock is much used for budding, and grafting the Pear.....	25c	2.50
Cherry, Mazzard [Cerasus Communis]. A hardy stock.....	10c	.40	Walnut, Soft-Shell'd [Var. of Juglans Regia]. A superior variety. Seed, 100 lbs. \$12.50.....	20c	
Guava, Strawberry [Psidium Guaiava] Sow in boxes and transplant when 2 inches high to pots.....	20c	2.00	Fresh Orange Seed. Taken from ripe fruit, thoroughly washed and cleansed from pulp; one pound of orange seed contains about 1500 seed.....		.75
Loquat [Eriobotrya Japonica]. Seed supplied in season.....	10c	.40			
Peach [Prunus Amygdalus Persica]. From budded stock. Price on application.					

Small Fruit Seeds.

	Price per pkt.	Price per oz.		Price per pkt.	Price per oz.
Currant Seed. Large varieties, mixed	25c	50c	European wild Strawberry.....	25c	75c
Gooseberry Seed. Large Engl. "	25c	75c	Vitis Riparia. [Wild Grape]. Native of the northern and Central parts of the United States. Useful as a grafting stock, said to resist "Phylloxera"		40c
Raspberry Seed. Finest Sorts "	25c	50c			
Strawberry Seed. Large varieties "	25c	50c			
" Red Alpine. This is the					

Palms and Other Decorative Plants.

As many of the seeds of this class of plants are not reliable unless fresh, and as the varieties reach us very irregularly from the collectors, we trust our customers will not feel dissatisfied if they do not receive all of the varieties they may order; we, however, promise to book such varieties which we cannot supply, and forward promptly upon arrival. As it is impossible to test the vitality or genuineness of this class of seed, we cannot hold ourselves in any way responsible for the results of crops. As many varieties of Palms take a long time to germinate, we advise patience and careful attention to attain successful results.

PALM SEEDS.

Palms are among the finest and handsomest of all plants. In a young state they do not show their distinctive characters.

		Price per 10 seeds.	Price per 100 seeds.
Areca.	A genus of elegant pinnate-leaved Palms, which are widely distributed over the earth, some of the species being found in the East Indies, while others occur in the West; they exist also in the Islands of the Mauritius and its dependencies, in the Island of Madagascar, in New Zealand and in Australia.....		
"	<i>Bauerii</i> [Seaforthia <i>Robusta</i>]. Not very hardy in this climate, except under glass. Native of Norfolk Island.....	25c	.00
"	<i>Lutescens</i> , an extremely beautiful plant, with pinnate arching leaves; will not stand frost. Native of Mascareen Islands (see cut).....	25c	2.00
"	<i>Rubra</i> , a fine plant for the decoration of apartments, or any situation where a graceful plant is required; the leaves are pinnate and arching, in a young state bright red, changing with age to dark green. Native of the East Indies; not hardy out of doors.....	25c	2.00
"	<i>Sapida</i> , a handsome, hardy Palm, very similar to <i>Kentia</i> . Valuable for lawn planting. Native of New Zealand.....	25c	2.00
Caryota	<i>Urens</i> [Himalayan Palm]. Native of India, ascending the Himalayas to an altitude of 5,000 feet, attaining a considerable height, though the temperature sinks in the cooler season to 40 degrees Fahrenheit. This Palm is perfectly hardy in this climate and is well suited for lawn planting or for pot culture.....	25c	2.00
Chamærops.	The various species of <i>Chamærops</i> are found scattered through Northern Asia, Northern Africa, North America, and the south of Europe. Leaves fan-shaped; fruit a berry and one-seeded.		
"	<i>Canariensis</i> , a handsome Palm well worthy of culture, either for lawn or pot culture.....	25c	2.00



Areca Lutescens.



Phoenix Canariensis.

Sow Palm Seeds as soon as received.

Price per 10 seeds. Price per 100 seeds.

Chamærops	Excelsa [Hardy Fan Palm]. This Palm grows to the height of from 20 to 30 feet; leaves fan-shaped; trunk enclosed by a dense mass of rough fibres. Native of the East Indies.....	Per oz., 25c; Per lb., \$2.00.		
"	Humilis [Dwarf Fan Palm]. An extremely handsome plant. Native of Southern Europe.....	Per oz., 30c; per lb., \$2.50.		
Cocos.	An elegant genus of a noble order, many species of which grow to majestic proportions			
"	Australis [Brazilian Palm]. One of the hardiest of all palms, hardier than even the Date Palm; withstanding, unprotected, a cold at which oranges and lemons are injured or destroyed.....		40c	3.00
"	Bonnetii. A beautiful Palm for decorative purposes; graceful in appearance. Thrifty grower.....		40c	3.00
"	Campestris. A hardy, handsome variety, well suited for open air planting; is one of the most desirable of pinnate-leaved palms.....		40c	3.00
"	Plumosa. This species attains considerable size, rising upon a stout, straight column-like stem some 40 or more feet in height. Fruit drooping; bunches of waxy flowers; which are succeeded by quantities of orange-colored nuts; enclosed in an edible pulp, in size about as large as a chestnut. Leaves are pinnate. Native of Brazil; does well out of doors in this climate.....		30c	2.50
"	Romanzoffiana. Similar to the above. The leaves are long, beautifully arched, resembling a large plume. Native of Brazil.....		50c	4.00
"	Weddelliana. This is perhaps the most elegant Palm we have in cultivation. The stem is slender, and clothed with a quantity of black, netted fibres; leaves are from 1 to 4 feet in length, or more, and beautifully arched. For table decoration there is no Palm to compare with it. Native of South America.....		50c	4.00
Corypha	Australis [Livistona Australis]. Native of Australia; hardy.....		25c	2.00
Erythea	Armata [Brahea Glauca]. "Blue Palm." One of the most elegant Fan Palms, from the islands off Lower California. Leaves glaucous blue. Hardy.....		40c	3.00
"	Edulis [Brahea Edulis]. A rapid growing variety from the Guadalupe Islands. Fan shaped leaves, bright green. Hardy.....		40c	3.00
Geonoma	Compacta. A Dwarf decorative Palm, quite hardy.....		20c	1.50
Kentia	Belmoreana. This fine Palm is a valuable addition to our collections; its leaves are pinnate, dark green, and so beautifully crisp as to gain for it the name of the "Curly Palm." It is very elegant and graceful in habit, a native of Lord Howe's Island, where it attains a height of 40 feet.....		40c	3.00
"	Canterburyana. This is a truly handsome species, native of Lord Howe's Island, with pinnate leaves, and a very robust habit. It is called in its native country the "Umbrella Palm." It is an exceedingly ornamental plant, and well adapted for decorative purposes.....		50c	5.00
"	Posteriana. In its native country this plant is known as the Thatch Palm, on account of its leaves being used for thatching houses. It is a robust-growing species, often attaining a height of from 40 to 50 feet. Leaves pinnate, and very deep green; native of Lord Howe's Island.....		50c	4.00
"	Moorei. The "Dwarf" Palm of Lord Howe's Island. Very rare, being nearly extinct in its native habitat.....		\$1.00	10.00
Latania	Borbonica. Native of the Isle of Bourbon. Leaves large, fan-shaped, armed edges, and enveloped at the base in a net work of brown, fibrous tissues. It is a beautiful lawn plant, and when grown in large tubs or pots, this Palm is the one best suited and most, largely used for the decoration of hotel verandas; hardy.....	Oz., 25c; lb., \$2.50		
Oreodoxa	Regia [Royal Palm]. Native of Cuba. This noble plant attains a height of 60 feet. Leaves pinnate. Is largely grown for house decoration, but can scarcely be considered hardy out of doors here.....		15c	.75
Phoenix	Canariensis. (See cut). An elegant and most hardy variety of the Date Palm, much used around Los Angeles for Lawns. Very handsome and durable.....		15c	1.00
"	Dactylifera. The Date Palm; is an erect, handsome Palm. Native of Northern Africa and Tropical Asia, where the Palm attains a height of eighty feet. Lives to a great age, and yields the Date fruit of commerce. Hardy. Per oz., 10c; lb., 50c.			
"	Reclinata. A very fine, large-growing species. Leaves pinnate. Largely used in Nice, Cannes and in the south of France for avenues, also the best for that purpose here, as it will stand severe frosts. A native of the Cape of Good Hope. Hardy.....		20c	1.50
"	Rupicola. This is one of the most exquisitely graceful Palms, and in elegance takes a similar place to that of Cocos Weddelliana. It is of acaulescent habit, with wide-spreading, arching, pinnate leaves; a most valuable acquisition. Native of the East Indies. Hardy.....		20c	1.50
"	Sylvestris. This is sometimes called the Wild Date. It resembles Phoenix Dactylifera somewhat, but is more lax in its growth. Very hardy, but not to be compared with P. Dactylifera or Reclinata. Native of the East Indies.....		20c	1.50
"	Tenuis. This is a very hardy, elegant and desirable variety of Date Palm, with long, bright sea green leaves; much used here for lawn planting.....		20c	1.50

Cocos Weddelliana is a valuable Palm for House Decoration.

	Price per 10 seeds	Price per 100 seeds
Ptychosperma Alexandræ [The Alexandra Palm]. This is an extremely handsome Palm, although a somewhat slender-stemmed species. Leaves pinnate and beautifully arched, light green. Native of Australia, where it attains a height of 100 feet. This variety will not stand much frost, but is very ornamental for pot culture.....	25c	2.00
Sabal Adansonii [Dwarf Palmetto]. Extremely slow-growing species, very seldom having an erect stem. Native of the Southern States.....	20c	1.50
“ Palmetto [Cabbage Palm]. A native of our Southern States; it attains a height of 50 feet, with a diameter of 12 to 15 inches. The timber is said to be valuable in ship building, being indestructible in salt water, and not attacked by the teredo. The leaves are five or six feet long, and are used in the manufacture of hats (palm leaf), baskets and mats; the young unexpanded leaves constitute one of the most delicious vegetables for the table	20c	1.50
“ Umbraculifera [Savannah Palm]. A native of the West Indies, attaining a height of 80 to 100 feet. Though naturally a tropical Savannah Palm, it has proved even harder than the Orange.....	20c	1.50
Seaforthia Elegans. One of the most beautiful of the Palm family, and one of the finest subjects in cultivation for the conservatory, greenhouse or sub-tropical garden. Height 20 feet. Leaves from two to ten feet in length, dark green. It stands quite a low temperature. Native of New South Wales.....	20c	1.50
Washingtonia Filifera. Well known California Fan Palm, which also goes under the names of Pritchardia Filamentosa, and Brahea Filamentosa. Very hardy. Oz., 10c; lb., \$1.00		
“ Robusta . A robust Fan Palm, similar to Washingtonia Filifera, but with smoother, and darker green leaves, and without threads. Per oz., 25c; lb. \$2.50.		

SEEDS OF DECORATIVE PLANTS.

Agaves. Six fine varieties, viz., Deserti, Lechequilla, Palmeri, Schottii, Shawii, Virginica, each per pkt., 25c. One packet of each of above varieties for \$1.00.



Dracæna Indivisa.

Dracæna Amabilis. The ground color of the leaf is glossy green, becoming beautifully marked and suffused with pink and creamy white	25c	\$1.50
Australis . [Cordylina]. A palm-like tree growing to a considerable height; the stem is stout, leaves from two to three feet in length, oblong, lanceolate and bright green; splendid for avenues, native of New Zealand. Per pkt., 25c.; oz., \$1.00.		
Draco . Yields the dragon's blood resin; the stem of this species is stout at the base; leaves are closely set, eighteen inches in length and two broad, thick and fleshy, dark green, and ending in a long, thin unarmed point. Native of South America; hardy. Pkt. 25c; 1000 seeds, \$5.00.75
Indivisa . [Cordylina Indivisa]. (See cut). Sometimes called Dracæna Stricta. A most graceful palm-like tree, suitable for decoration either in or out of doors. Fine for avenues, Native of New Zealand. Oz. 40c; lb. \$4.		
Dracæna Indivisa Lineata...Oz., \$1.25		.20
Indivisa Lineata Rosea.....Oz., \$1.50		.25
Latifolia Major, per 1000 seeds, \$3.00		.40
Veitchii. A beautiful variety, per 1000 seeds, \$2.00.....		.25

Musa Ensete. [Abyssinian Banana]. (See cut). Native of the mountain regions of Abyssinia. This magnificent plant attains a height of 30 feet, the leaves occasionally reaching the length of 20 with a width of 3 feet. This plant produces no suckers, and requires several years to come into flower and seed, then it dies off like the Sago Palm, the Caryota Palm and others which flower but once without reproduction from the root. \$0.30 2.50

Phormium Tenax. "New Zealand Flax." Ornamental and useful. The leaves may be shredded while green into fibre, and used for tying purposes. Per pkt., 10c., per oz., \$1.00.

“ “ Variegata. A variegated variety of the above. Very ornamental..... .50

We have a large stock of Terra Cotta and Fancy Ware.

Price per 10 seeds. Price per 100 seeds

- Strelitzia Augusta.** A handsome, stately plant, native of the Cape of Good Hope; has large, pale, green leaves, and singular, richly colored flowers. If given a protected situation on the lawn it will thrive, and be much admired for its tropical appearance 1.00 8.00
- “ **Reginæ.** Orange and Purple..... 1.00 8.00
- Yuccas.** Six fine varieties, viz: Alba Marginata, Brevifolia, Clistocarpa, Elata, Truncata and Whippleyi, each per pkt., 25c. The collection of six varieties for \$1.00.
- Yucca Quadricolor.** A large and magnificent kind. The upper surface creamy yellow, in the centre tinged with crimson and orange yellow, and broadly bordered with dark shining green. Native of Mexico. Hardy.....1000 seeds, \$2.00 .25



Musa Ensete.

Agricultural and Horticultural Requisites.

INSECT, BLIGHT AND VERMIN DESTROYERS.



Buhach. [Persian Powder]. It is resinous, impalpable and non-poisonous, and kills all sorts of insects and worms by filling up the pores and acting on the skin. It is so fine it penetrates hidden crevices when blown on with a gun or bellows, and many Southern cabbage growers say it is the only effectual remedy for the cabbage worm. Apply when everything is dry, as moisture destroys its properties. Per lb., 75c. [Special price given for large quantities.]

- Cole's Insect Destroyer.** For mealy bug, green fly, red spider, scale, etc. One careful application with atomizer will be found effective; will not injure the most delicate plant. Per pint bottle, \$1.00.
- Fir Tree Oil.** This insect destroyer has proved to be one of the most reliable for *red spider, green fly, mealy bug, scale, ants, thrip, onion fly, caterpillar, slugs, blight, araucaria scale, etc.*
Dilute in the proportion of 1 pint to 20 gallons of water, and apply with an ordinary syringe, or by dipping the the plants. Price, per ½ pint, 50c. [Larger quantities at special prices.]
- Flour of Sulphur.** American. Prevents and cures mildew on Roses, Grapes, etc. Apply with a gun or bellows while the leaves are damp. Price, per lb., 5c; per 100 lbs., \$2.50.
" " Imported, French. Of greater strength than the preceding. Price, per lb., 10c; per 100 lbs., \$4.50.
- Genuine Paris Green.** Unexcelled for potato bugs and other insects that eat foliage. Price, in 1 lb., 2 lb. and 5 lb. boxes, 35c per lb. [Larger quantities at special prices.]
- Hammond's Slug Shot.** An impalpable powder, containing ingredients that will destroy the cut worm, potato bug, chinch bug, rose bug, rose slug, curculio, and all lice, worms or caterpillars upon cucumbers, squash or grape vines, tobacco, cotton or egg plant, currants, fruit or ornamental trees, and all shrubs and flowering plants. It is an excellent fertilizer; plants upon which it is used will grow and look much finer than those upon which it is not. It contains nothing injurious to domestic animals, and does not deteriorate by age.
On low-growing plants it should be dusted on with a very fine sifter. On tall Shrubs and Tees it should be applied with the Double and Single Cone Bellows. Price, per lb., 10c; per 100 lbs., \$7.50.
- Mildew Preventive.** A fluid for preventing and destroying mildew. One pint is sufficient for 18 gallons of water. Apply with an ordinary or bellows syringe. Price, per bottle, 75c.
- Tobacco Dust.** Kills green and black fly, etc. To be dusted or blown on the foliage while moist. Price, per lb., 20c.
- Tobacco Soap.** Makes an excellent wash for plants and trees infested with green fly, lice and eggs of insects. Dissolve 2 ounces in a gallon of water. Price, per lb., 30c.
- Tobacco Stems.** For fumigating plants infested with green fly. Price, per sack, 50c.
- Whale Oil Soap.** Makes an excellent wash for trees and plants, kills insects and eggs on the bark. Price, per lb., 15c; 2 lbs., 25c. [Larger quantities, price on application.]

INSECTICIDE APPLIANCES.

Atomizers. Glass, with Rubber Ball.....	Each.
Bellows. Used for dusting plants with sulphur, slug shot, tobacco dust, etc.....	\$.35
Guns, for applying Persian insect powder. Small size.....	1.25
" Jumbo. Large size.....	.10
	.25

SPRAY PUMPS.

The Little Climax Sprayer. (See cut.) Made of malleable iron and brass, the pump being firmly bolted to a strong iron base, supported by three removable gas-pipe legs. We furnish with this pump four feet of ¼-inch cloth insertion, rubber tubing and two climax nozzles; also, suction hose,



Little Climax Sprayer.



Climax Pump Sprayer, No. 2.

as shown in the cut, to draw the liquid from the bucket or other vessel, as the case may be. We also furnish the rod for holding the hose, as shown in the cut; with this the Spray may be thrown straight upward, out at any angle desired, or horizontally, without touching the hose or turning a screw. We especially recommend this pump for spraying in greenhouses, flowers and shrubs on the lawn, or for garden and small orchard work. Price, complete, boxed for shipping, \$12.50.

Climax Pump Sprayer No. 2. (See cut.) Of similar material to the above. It can be attached to any kind of vessel or tank by means of our brass connections, in ten minutes; or the suction hose can be dropped into a barrel, trough or cistern with equal success. We sell this pump complete, with twenty feet of hose, sixteen feet discharge, four feet suction, two nozzles, and the necessary connections for it. Similar in appearance to Climax Pump No. 3, with the exception of being a little lighter and having but one discharge orifice. Price, complete, boxed for shipping, \$17.50.

Climax Pump Sprayer No. 3. (See cut.) Valuable for orange orchards, etc. It has two discharge orifices, and is supplied with two lengths of discharge hose, each 16½ feet long, and four nozzles. This pump can be used in all cases where a spray or solid stream is desired, and is capable of throwing a spray nearly as fine as mist, twenty feet in the air, or a solid stream fifty feet. A single hose may be used at a time, if desired, by unscrewing the other hose and attaching cut-off furnished with pump. This is one of the most powerful and easy working pumps on the market. We warrant all of the above machines. Price, complete, \$25.00.

Extra Nozzles for either of the above, \$1.50 each.

The "Daisy" Pump. A cheap, effective pump for spraying chicken houses, and for use in small Gardens. Made of lacquered tin. Price, \$1.50 each.

Lewis's Combination Force Pump. Endorsed by all leading entomologists. Will thoroughly spray a ten-acre orchard in a day. It makes three complete tools, viz.: a Combination Force Pump, an Agricultural Syringe, also a Veterinary Syringe. Made of brass, and will throw water fifty feet. Price, complete, \$4.50.



Climax Pump No. 3.



Myer's Bucket Brass Pump.

Myer's Bucket Brass Pump. (See cut.) So arranged that all the labor of pumping is done on one downward stroke, thereby obviating the use of a foot rest, making it of easy working, with an extraordinary force. Made of the best brass, which material is unaffected by the arsenites used in spraying formulas. Invaluable for washing windows, extinguishing fires, and all spraying and syringing purposes. Will throw a stream of water 50 feet. Price, with agitator, hose, and combination fine or coarse spray, and solid stream nozzle, complete, \$3.50 each.

Same Pump as above, with solid steam, sprinkler and vermorel nozzle. Price, \$4.00 each.

An 8-foot Pipe Extension is necessary with either of above Spray Pumps to spray large trees. Price, extra, 50c each.

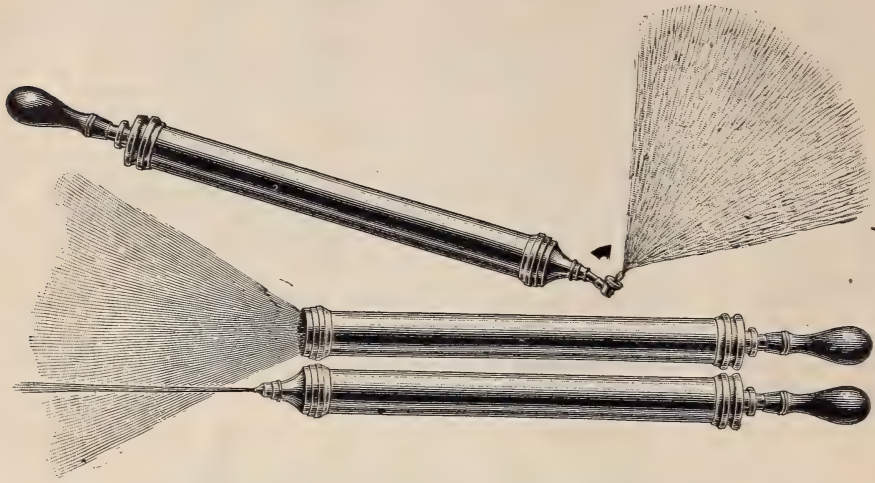
SYRINGES.

			Price each.
Syringes.	Brass.	A. (See cut.) With one stream and jet.....	\$2.00
"	"	C. " " Length of barrel, 14½ in.; diameter, 1 5-16 in., with one stream and jet.....	4.00
"	"	D. Length of barrel, 15½ in.; diameter, 1½ in., with one stream and jet....	4.00

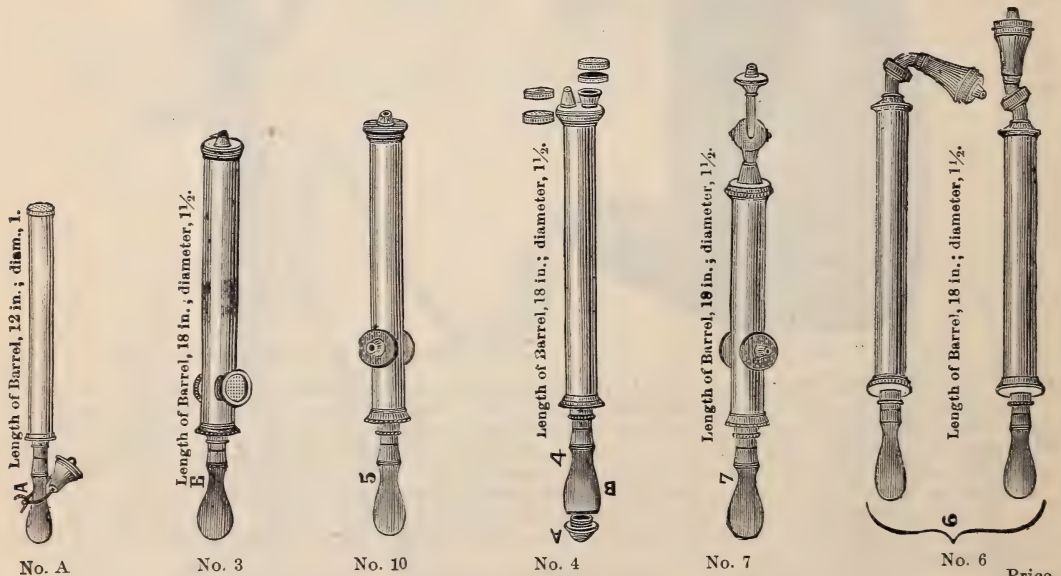
The above Syringes are all of one pattern, but of increasing length and diameter. We recommend them as efficient, attractive and cheap.

"Strawberry Culture, with Descriptive List of Varieties." (A. S. Fuller.) Mailed free, 30c.

- Syringes. Brass. No. 0. (See cut.) With one spray rose, fast end, large holes. Specially adapted for throwing whale-oil soapsuds.....\$2.50
 " " No. 1. Length of barrel, 12½ in.; diameter, 1 5-16 in. A ladies' Syringe, with one spray rose..... 2.50

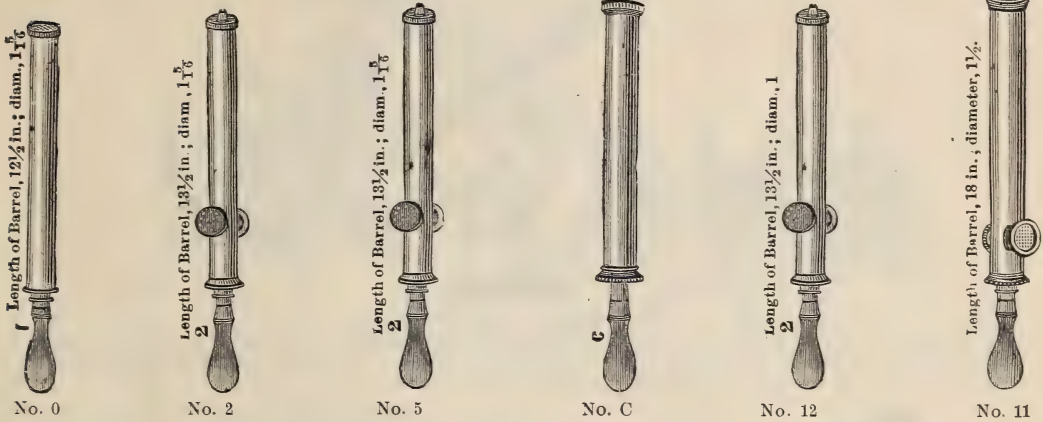


- Syringes. No. 2. (See cut.) Ladies' Syringe, with jet and two spray roses, which, when not in use, are screwed on the sides of the barrel, as shown in the cut..... 4.00
 " No. 3. (See cut.) Best Plate-valve Syringe, large size, with one stream and two spray roses, with side-pieces on barrel 6.00
 " No. 4. (See cut.) Best Conical-valve Syringe, large size, with one stream and two spray roses, which are placed, when not in use, in the handle of Syringe. The handle is strongly mounted with a solid brass cap and ring. The finest spray should only be used in very clean water 6.50
 " No. 5. (See cut.) Best Conical-valve Syringe, large size, with one stream and two spray roses. This Syringe is generally used by florists and horticulturists. Side pieces on barrel..... 6.50



- Syringes. No. 6. (See cut.) Best Conical-valve Syringe, large size, with one spray rose and goose-neck angle joint, turning in all directions, for washing the under surface of the leaves of plants and flowers, cleansing them from insects, etc. Length of barrel, 18 in.; diameter, 1½ in..... 7.00
 " No. 7. (See cut.) Best Conical-valve Syringe, large size, with one stream and two spray roses with knuckle joint, turning in all directions, for the same purpose as No. 6, with side pieces on barrel. Length of barrel, 18 in.; diameter, 1½ in..... 8.00

Syringes.	No. 8. Best Conical-valve, with cross handle and one spray rose, 10 in. long and 1 3/4 in. in diameter.....	Price each. \$7.00
"	No. 10. (See cut.) Same as No. 5, but of lighter material.....	5.50
"	No. 11. (See cut.) Same as No. 3, but of lighter material.....	4.50
"	No. 12. (See cut.) Two spray roses and jet; 13 1/2 in. long; diameter, 1 in.....	3.00
"	"Eclipse." Throws a continuous stream or spray, as desired. Price, with 4 ft. of hose, \$6.00; or, with elbow joint for sprinkling under the foliage.....	6.75



LAWN SPRINKLERS.

Lawn Sprinklers. From.....\$1.00 to \$2.50

GARDEN HOSE AND ATTACHMENTS.

Rubber Hose.	1/2 in. diameter. Per foot.....\$.10	Hose	Nozzles, brass. Each, 50c and 75c.
"	3/4 " " " From 8c to 18c per foot, according to quality.	"	Reducers. Each.....\$.25
"	1 in. diameter. Per foot..... .18	"	Rubber washers. Per doz..... .10
Hose Menders, wood.	Per doz..... .50	"	Reels or Trucks, on wheels, wooden. Each..... 2.00
"	iron. 3/4 in. Per doz..... 1.00	"	Reels or Trucks, on wheels, top in one piece. Each..... 2.50
	each..... .10	"	Reels or Trucks, on wheels, iron. Each 3.00

"Planet Jr." Labor Saving Garden Tools, FOR HAND USE.

These are the most perfect garden tools made, and have long been the most popular. They are known the world over, and beyond question are the most complete in equipment and most practical and labor saving in the field that have yet been invented. *Our special "Planet Jr." Catalogue, fully illustrating and describing the sorts of work accomplished, free on application.*

Attachments and parts of the different tools catalogued can be supplied to customers at short notice.

The "Planet Jr." Double Wheel Hoe. (See cut.) Cultivator, Rake and Plow combined. This exceedingly useful and popular tool has this season the extensive outfit shown in this illustration. Price, \$1.50.

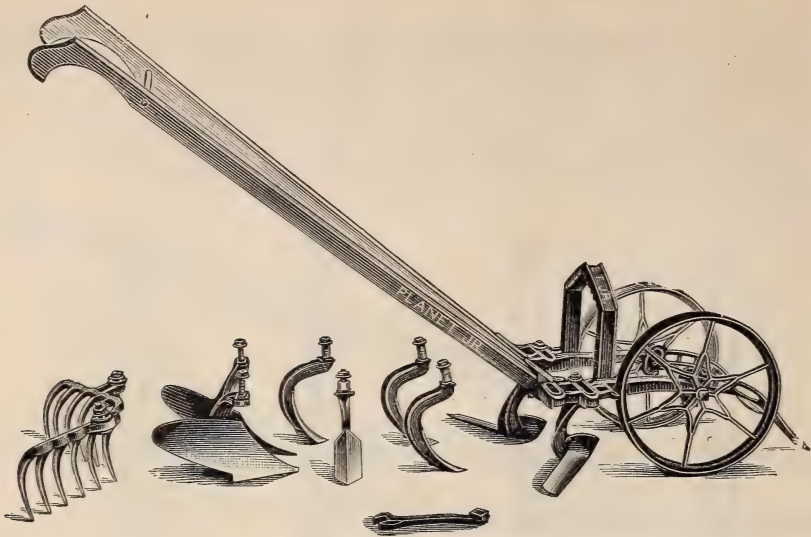
The "Planet Jr." No. 2 Seed Drill. This standard drill holds two and one-half quarts. It sows all garden seeds accurately any desired thickness or depth. It opens, drops, covers and rolls down and marks the next row, all at one passage, in the most perfect and reliable manner. Price, \$9.00.

The "Planet Jr." Single Wheel Hoe. Cultivator, Rake and Plow combined. Price, \$6.00.

The "Planet Jr." Combined Drill. Wheel Hoe, Cultivator, Rake and Plow. (See cut.) This tool is unquestionably the most popular, as it is the most perfect machine of its kind made. It is unrivalled in design, finish, convenience and capacity for work. As a seed drill it is the same as the No. 2, except in size; it holds one quart. The tools sent out with each machine are shown in the cut. Price, \$11.00.

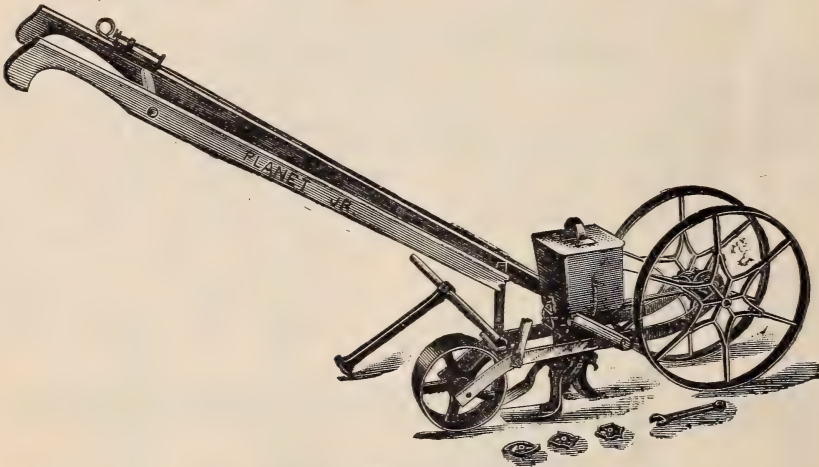
The "Planet Jr." Hill Dropping Garden Seed Drill. (See cut.) For Rows or Hills. This machine not only sows in rows, but in hills. It opens, sows, covers, rolls down, and marks the next row, all at one operation. Price, \$11.00.

"Breeding, Rearing and Management of the Pig." (Harris.) Mailed free, \$1.60.



The "Planet Jr." Double Wheel Hoe.

The "Planet Jr." Combined Hill Dropping and Fertilizer Drill. This machine will not only do all that the preceding one will do, but at the same time sow fertilizers either above or below the seed, as wanted, and in any required quantity. Price, \$16.00.



The "Planet Jr." Hill Dropping Garden Seed Drill.

The "Firefly" Wheel Garden Plow. The "Firefly" Plow has given great satisfaction, and is now much improved in strength and design. By going twice in each furrow the ground can be plowed up in the spring ready for planting. In many gardens it will save its cost twice a year. Price, \$2.50.

The "Firefly" Single Wheel Hoe, Cultivator and Plow Combined. This neat and convenient machine is a prime favorite, light, strong and adjustable to a great variety of work. The tools supplied with it are: One pair of Curved Point Hoes, one pair of Narrow Cultivating Teeth, one wide Cultivating Tooth and one large Garden Plow. Price, \$5.00.

The "Planet Jr." Grass Edger and Strawberry Vine Cutter. This perfect little tool does either straight or curved work most accurately, edging at the desired angle and at the rate of a mile an hour. It should be a constant companion of the Mower, as it neatly finishes the lawn, after the Mower has done its best. Strawberry growers will find it a rapid and perfect tool for cutting off surplus runners. Price, \$3.50.

"PLANET JR." HORSE IMPLEMENTS.

The "Planet Jr." (All Steel) Horse Hoe and Cultivator Combined, with lever wheel. When reversed is a Corn Hiller. Price, \$10.00.

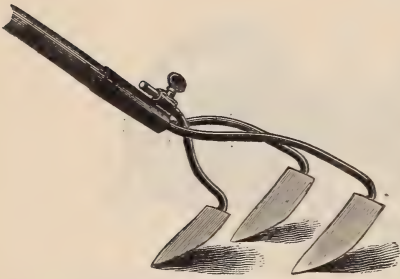
The "Planet Jr." Nine-Toothed Horse Hoe and Cultivator (combined). Price, \$16.00.

The "Planet Jr." Beet Growers' Horse Hoe. This admirable tool has a $1\frac{3}{4}$ -inch cultivator tooth, two 6-inch hoes, a 12-inch special flat sweep, and a pulverizer. The latter is a very useful attachment, levelling and finishing the surface, and killing small weeds. Price, \$10.00.

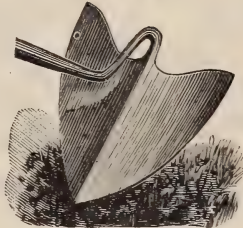
"Planet Jr." Tools save much Time and Labor.

			Price each.
Garden Lines.	Best braided. (See cut.)	Per 100 ft., 75c; per 200 ft., \$1.40.	
"	Small, thin, yellow	Per 100 ft., 50c.	
"	Line Reels. (See cut.)		\$.65
"	Rollers. One section, 12x24 in., 200 lbs. (See cut.)		15.00
"	" Two sections, 20x24 in., 250 lbs.		20.00
"	" " 24x24 in., 400 lbs.		30.00
Grafting Compound.	Ongerth's Improved. In 1-lb. cans		.75
"	5-lb. cans		2.50
Grafting Wax.	Trowbridge's	1/4 lb., 15c; 1/2 lb., 25c; 1 lb., 40c; postage, 10c per lb.	
"	Bees' Wax. (Subject to fluctuation)	Per lb., 35c.	

Prices for large quantities on application.



Osborne Hand Cultivator.



Warren Hoe.



Grass Hook

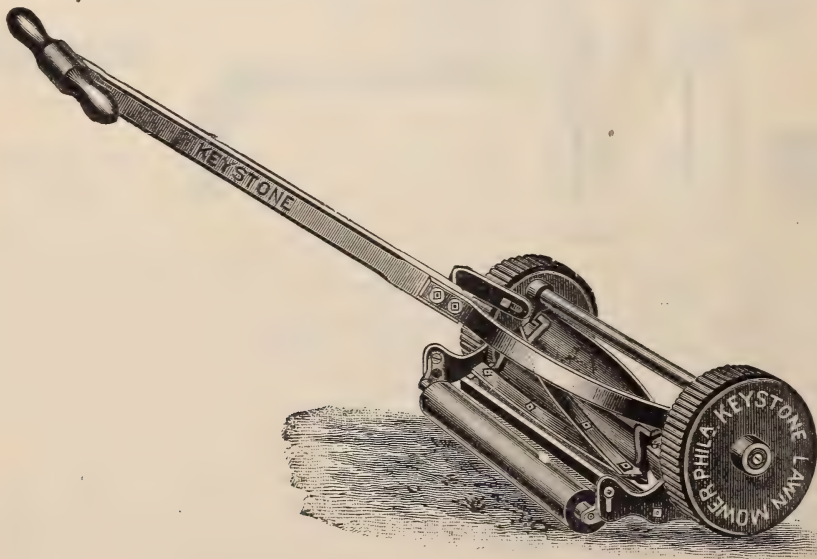


Scuffle Hoe.



Straight Hoe

			Price each.
Grass Hooks, or Sickles.	(See cut.) Two sizes		50 and \$.60
Hand Cultivator.	"The Osborne." (See cut.) This tool will cultivate both sides of a row of vegetables at the same time. It consists of three shovels, one being moveable, so as to work the two shovels on both sides of the row, the other, or centre one, can be inserted and used when working between the row		1.75
Hoes.	Draw. "Acme Plow." This Hoe is composed of one 5-in. blade and two cultivating teeth, on the reverse side, all cast in one solid piece		.80
"	" Bishop's Cast Steel	7-in., 50c; 8 in.,	.75
"	" Planters'. Very useful, sharp cutting	9-in., 55c; 11 in.,	.70
"	" Prong, or Potato Hooks. 6-pronged		.60
"	" Warren, or "Bayonet" Hoe. (See cut.)		.70
"	Push. Scuffle, or Dutch. (See cut.) A very useful garden tool for keeping down weeds,	6-in., 50c; 7-in., 60c; 8-in., 75c; 9-in., 85c; 10-in	1.00
"	Push. Straight. (See cut.) Can also be used as edging knives for cutting borders.	70c and	.75
Hoe and Rake Combined.	According to size	25c, 35c, 40c and	.60



Keystone Lawn Mower.

The "New Departure" Lawn Mower is practical and cheap.

	Price per 100.	Price per 1000
Labels. Wooden Pot. 4-in., plain	20c	\$1.00
" " 5-in., "	25c	1.25
" " 6-in., "	30c	1.75
" " 10-in., "	40c	2.50
" " 4-in., painted... ..	25c	1.50
" " 5-in., "	30c	1.75
" " 6-in., "	35c	2.00
" Wooden Tree, 3½ in., notched or pierced, plain.....	20c	1.00
Labels. Wooden Tree. 3½-in., notched or pierced, painted	25c	1.25
" 3½ in., notched or pierced, paint ed, wired ready for use with iron wire.....		1.50
With brass wire.....		1.75

These last put up in packages of 1000 only.

Labels. Wooden Garden 8 in. long by 1 in. wide, plain.....	60c	5.00
" 8 in. long by 1 in. wide, painted.....	80c	7.00
" 12 in. long by 1½ in. wide, plain.....	75c	6.50
" 12 in. long by 1½ in. wide, painted ..	\$1.00	9.00

Lawn Mowers. [The Keystone Lawn Mower]. Open or Solid Wiper. (See cut). The Keystone Lawn Mower is similar in appearance to the popular Philadelphia Lawn Mower so long upon the market. Has rear cut floating construction, self-sharpening knives, and adjustable handle. 10, 12, 14, 16 and 18 inch. Per inch 65c.

Lawn Mowers. "New Departure." Made by the same reliable firm that manufacture the "Keystone," "Philadelphia," and other standard mowers, but is of cheaper material. 10, 12, 14, and 16 inch. Per inch, 45c.

Lawn Mower Attachments for catching the mown grass, to fit 12 and 14 inch Lawn Mowers.....	\$1.00
To fit 16 and 18 in. Lawn Mowers.....	1.25



Moss Sphagnum



Roffea.



Hazeltine's Hand Weeder.



Lightning Potato Eye Cutter.



Scol'ay's Sprinkler.

	Price each.
Potato Eye Cutter, Lightning. (See cut) Does the work many times faster, and is more accurate than the knife.....	\$.25
Potato Knife, Humphrey's Concave and Curved. (See cut).....	.25
Potato Hooks. Six pronged.....	.60
Post Hole Digger. "Samson".....	3.00

Lawn Rakes. Davis' Patent.....	.75
" Galvanized	1.00
" " With two wheels	1.25
" " Wooden—22 teeth.....	.60
" " Wooden frame, iron teeth, two sizes, 60c and.....	1.00

Lawn Weeders. For extracting daisies, dandelions, etc., from lawns..... .50

Lubricators. Filled with oil, with patent cap. For Lawn Mowers and other machines

Mats. For shading, sheltering and tying material. Archangel, 9 feet by 4½ feet... \$1.00

Manure Hooks. Steel..... 1.00

Moss, Sphagnum, (see cut) per bale of about 30 lbs..... 2.00

Pencils. Wolf's Indelible, solid ink, will dispense with painting labels..... .15

Pick Axes. All steel, with handle..... 1.00

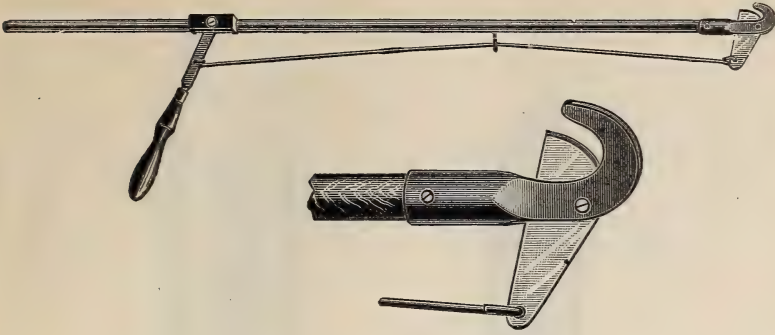
Mattocks, with handle..... 1.00

Plant Bed Cloth. An excellent substitute for glass, and being light, can be easily and safely shipped to sections of country where it would be impossible to send sash. We do not sell less than 25 yards of a kind:

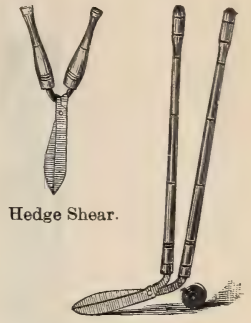
	Per y'd
Light, 25 yards and upward.....	6c
100 yards and upward.....	5½c
Medium, 25 yards and upward.....	10c
100 yards and upward.....	9½c
Heavy, 25 yards and upward.....	14c
100 yards and upwards.....	13½c

Plant Protector, Folding. (Patent Nov. 1889). A perfect protection from frost, sun and insects. They are light, durable, airy and strong. Galvanized iron folding frames covered with plant fibre cloth. Will last ten years and give satisfaction.

	Price each.	Price per doz.
No. 1. Size, 14x16 inches, 16 inches high.....	40c	\$4.00
No. 2. Size, 11x13 inches, 11 inches high.....	35c	3.50
No. 3. Size, 8½x10 inches, 8½ inches high.....	25c	2.50

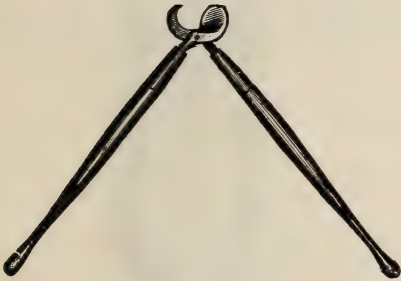


Lee's Telegraph Tree Pruner.



Hedge Shear.

Border Shear.



Eagle Pruning Shear.



Pruning Shear.

PLANT STAKES AND TRELLISES.

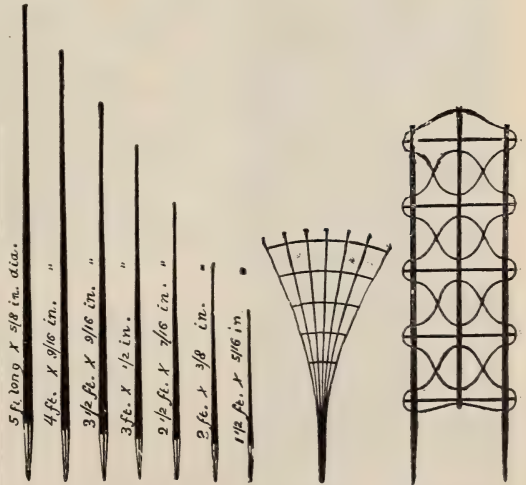
Plant Stakes, round, painted green and smoothly turned:

	Price per doz.	Price per 100.
2 feet.....	\$0.25	\$2.00
2½ feet.....	.30	2.50
3 feet, light.....	.40	3.00
3 feet, heavy.....	.85	6.50
3½ feet, light.....	.55	4.00
4 feet, light.....	.70	5.00
4 feet, heavy.....	1.00	7.50
5 feet, light.....	.85	6.50
5 feet, heavy.....	1.50	12.00
6 feet, heavy.....	2.00	15.00

Plant Stakes. (See cut.) Square, painted green:

1½ feet.....	.25	1.75
2 feet.....	.30	2.00
3 feet.....	.40	2.50
4 feet.....	.50	3.50

Plant Trellises, Fan. (See cut). 18 in., 20c each; 2 ft., 35c; 2½ ft., 45c; 3½ ft., 60c; 4x2¼ ft. wide 75c; 5x2 ft. 8 in. wide, \$1; 6x3 ft. 2 in. wide, \$1.25; 7x3 ft. 6 in., \$1.50. Veranda. (See cut). 5 ft. long by 18 in. wide, each, 85c; 6 ft., \$1; 7 ft., \$1.25; 8 ft., \$1.50.



Plant Stakes.

Fan Trellis. Veranda Trellis.

THERMOMETERS.

(These cannot be sent by mail.)

We carry a full line of Household, Greenhouse, and Dairy Thermometers. (See cuts).

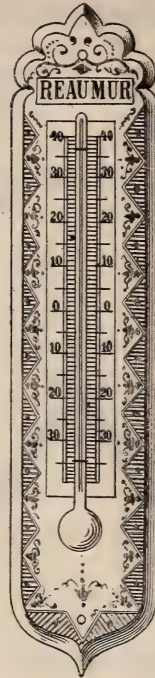
Prices on application.



Dairy Thermometer.



Self Registering Thermometer.



Thermometer.

Fertilizers.

Gypsum, or Land plaster. [Sulphate of Lime]. We strongly recommend the use of this on all black alkali land, as it is the best leacher we know of. In 100-lb. bags, 75c; per ton, \$10.00.

Pure Granulated Bones, for lawns, etc. We warrant them to be pure and unadulterated. Recommended for plants and fruit trees. Per 100 lbs., \$2.50, larger quantities, price on application.

Nitrate of Soda, or Chili Saltpetre. This is a fertilizer that should be used with a great deal of care, as, if used in excess, it is likely to kill the plants, we, therefore, advise it only to be used in small quantities. Its effect is immediate. In applying it to pot plants, dissolve a tablespoonful in one gallon of water and use it every two weeks. The ammonia in this salt, is about 20 per cent.

Per 100 lbs., \$3.00; per ton, at market rates.

Lawn Fertilizer. Our own mixture. To keep a good lawn in this climate it is absolutely necessary that it should be irrigated daily. As many coarse water grass seeds are apt to be shed, it behooves all owners of land to supply to the cultivated grasses (mostly Kentucky Blue Grass) the invigorating power they need. This want is amply fulfilled by our own Lawn Mixture. 15 lbs. will fertilize 25 by 25 feet, or its equivalent, 400 lbs to 1 acre. Per lb., 5c; per 100 lbs., \$3.00.

Valuable Agricultural and Horticultural Books

By Mail postpaid at prices affixed.

Allen's Cattle.....	\$ 2.65	Fuller's Practical Forestry.....	1.65
Asparagus Culture.....	.55	“ Propagation.....	1.65
Beale's Grasses.....	2.70	“ Strawberry Culture, paper cover.	.30
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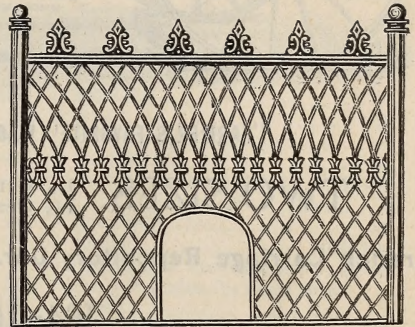
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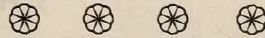
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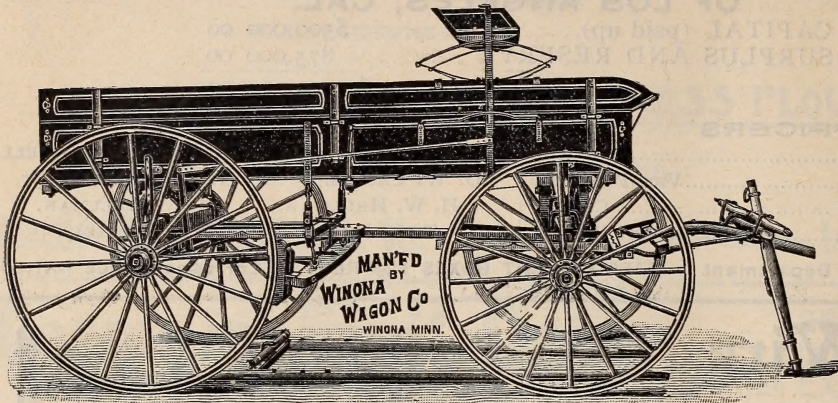
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